DOCUMENT RESUME

ED 148 488 95 PS 009 724

AUTHOR	Molitor, James A.; And Others
TITLE	Education as Experimentation: A Planned Variation Model. The Non-Follow Through Study.
INSTITUTION	Abt Associates, Inc. Cambridge, Mass.
SPONS AGENCY	Office of Education (DHEW), Washington, D.C. Office of Planning, Budgeting, and Evaluation.
REPORT NO	AAI-76-196NFT
PUB DATE	15 Apr 77
CONTRACT	300-75-0134
NOTE	976p.; For Volumes 1A and 1B of this report, see ED 094 890 and ED 094 891; for Volumes 2A and 2B, see ED 108 768 and ED 108 769; for Volumes 3 and 4, see PS 009 725-729 ; Not available in hard copy due to print quality
EDRS PRICE	MF-$1.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS	*Academic Achievement; Attrition (Research Studies); Compensatory Education; Control Groups; Cultural Background; Demography; *Disadvantaged Youth; *Family Background; Kindergarten; *Primary Education; Primary Grades; *Program Evaluation; Socioeconomic Background; Statistical Data; Student Characteristics; Tables (Data)
IDENTIFIERS	*Planned Variation; *Project Follow Through

ABSTRACT

This volume presents data on the progress of the non-Follow Through children who served as the comparison group in the national evaluation study of the Follow Through Planned Variation Model. Three major approaches were used to study the data in this volume. First, the relationship of children's background characteristics to their academic performance at entry to kindergarten was examined. Second, the relationship of background variables to school performance through third grade was examined. Third, the non-Follow Through attrition rate was examined to determine how it differed across geographic areas and to find some of its correlates. More than 400 pages of data are included. (JMB)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED148488

Education as Experimentation: A Planned Variation Model

Non-Follow Through Study

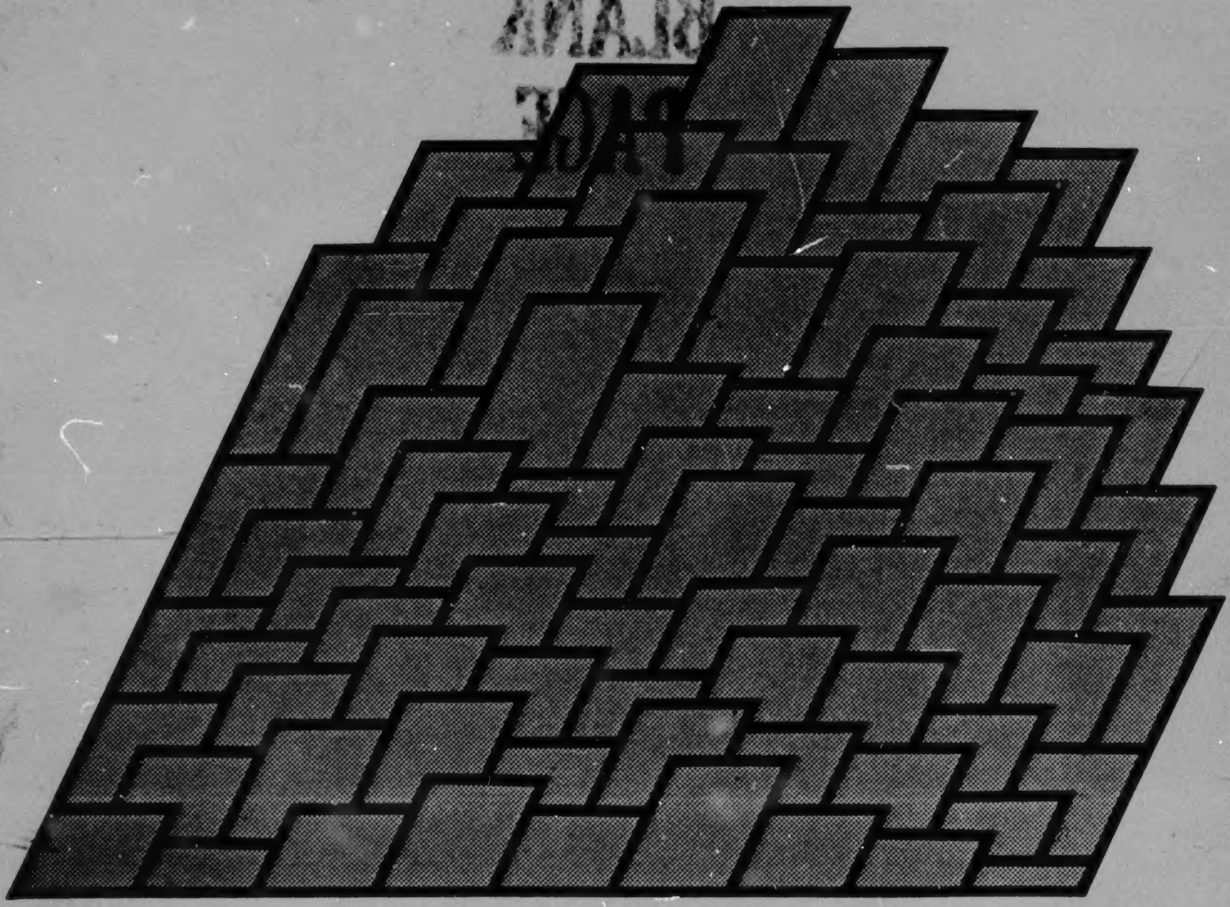
James A. Molitor
Muriel Watkins
David Napior
with
JoAnn J. Jastrzab
Charles L. Brooks and
Elizabeth C. Proper

"PERMISSION TO REPRODUCE THIS MATERIAL IN MICROFICHE ONLY HAS BEEN GRANTED BY

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) AND USERS OF THE ERIC SYSTEM."

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.



PS 009724

Abt Associates Inc.: Richard B. Anderson, Project Director; Linda B. Stebbins, Deputy Project Director;
Elizabeth C. Proper, Director of Analysis
U.S. Office of Education: Mary M. Kennedy, Project Officer

ABT ASSOCIATES INC.
55 WHEELER STREET, CAMBRIDGE, MASSACHUSETTS 02138
TELEPHONE • AREA 617-492-7100
TELEX: 710-320-6367

Report No. 76-196NFT

Contract No. 300-75-0134

EDUCATION AS EXPERIMENTATION: A PLANNED VARIATION MODEL

THE NON-FOLLOW THROUGH STUDY

15 April 1977

Principal Authors:

James A. Molitor, Muriel Watkins, David Napior
with JoAnn J. Jastrzab, Charles Brooks, and Elizabeth C. Proper

Richard B. Anderson, Project Director
Linda B. Stebbins, Deputy Project Director and Editor
Elizabeth C. Proper, Director of Analysis
Elizabeth C. Proper, Study Leader
Mary M. Kennedy, Project Officer

Prepared for:

THE U.S. OFFICE OF EDUCATION

Office of Planning, Budgeting, and Evaluation
Department of Health, Education, and Welfare
Washington, D.C. 20202

Contract Manager	Quality Control Reviewer	Management Reviewer

TABLE OF CONTENTS

NFT VOLUME

CHAPTER ONE INTRODUCTION 1

CHAPTER TWO DESCRIPTION OF THE NFT SAMPLES 7

- Pupil Characteristics 7
- Ethnic Regional Distribution 9
- Family Background Characteristics 9
- Entry Level Performance 11

CHAPTER THREE ENTRY STUDY 13

OVERVIEW OF THE ENTRY STUDY 13

- The Entry Study in Detail: Methodology 16
- The "Hierarchy" of Independent Variables 17
- Reduction to Parsimonious Models 18
- Black/White Results in Detail 20
    - Black/White Results on the Total WRAT 21
    - Black/White Results on the WRAT Reading Subtest 26
    - Black/White Results on the WRAT Math Subtest 30
    - Black/White Results on the WRAT Spelling Subtest 34
- Total Sample Results 34

CHAPTER FOUR LONGITUDINAL PATTERN SUBSTUDY 43

- Introduction 43
- Construction of the Dependent Variable 44
- Analysis 47
    - Contingency Table Analysis 47
- Results 48
- Pupil Characteristics 48
- Family Background Characteristics 70
- Some Summary Comments on the Contingency Table Analyses 115
- Discriminant Analysis 116
- Results 116

CHAPTER FIVE ATTRITION AND TRANSIENCY 121

ATTRITION 121

TRANSIENCY 125

APPENDIX TO THE NON-FOLLOW THROUGH STUDY 139

ADDENDUM TO THE NON-FOLLOW THROUGH STUDY 157

INTRODUCTION 159

- Samples Explored 160
- Variable Development 162
  - Preschool 162
  - Transiency 163
  - Area 163
- NFT Status 164
- Poverty Level 164
- Economic Status 164
- Tests Explored 164

NFT DESCRIPTIVE STUDY 168

- Pupil Characteristics 168
- Preschool Experience 176
- Achievement 176
- Pre-Post Group 177
  - Entry Level 177
  - Third Grade 177
- Longitudinal Group 178
- Other NFT Subsets 179
- Summary 180

EXPLORATORY WORK TOWARD ENTRY AND LONGITUDINAL STUDIES 202

- The Pre-post Group of Data Cases 203
- The Entry Level Group of Data Cases 206
- The Longitudinal Group of Data Cases 208
- The Group of Anyone with Data at Any Point 210
- Summary and Conclusions 214

APPENDIX TO THE ADDENDUM 217

LIST OF TABLES

NFT VOLUME

Table		Page
1-1	Comparison of NFT Entry-Level Sample with Census Data for the Northeast Region	3
1-2	Comparison of NFT Entry Level Sample with Census Data for the Northcentral Region	4
1-3	Comparison of NFT Entry Level Sample with Census Data for the West	5
1-4	Comparison of NFT Entry Level Sample with Census Data for the South	6
2-1	Background Variables	12
3-1	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten Total WRAT Scores of Black Children in NFT Entry Study Sample	22
3-2	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten Total WRAT Scores of White Children in NFT Entry Study Sample	23
3-3	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Reading Subtest Scores of Black Children in NFT Entry Study Sample	24
3-4	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Reading Subtest Scores of White Children in NFT Entry Study Sample	28
3-5	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Math Subtest Scores of Black Children in NFT Entry Study Sample	31
3-6	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Math Subtest Scores of White Children in NFT Entry Study Sample	32

Table		Page
3-7	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *WRAT Spelling Subtest* Scores of *Black* Children in NFT Entry Study Sample	35
3-8	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *WRAT Spelling Subtest* Scores of *White* Children in NFT Entry Study Sample	36
3-9	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *Total WRAT* Scores of *All* Children in NFT Entry Study Sample	37
3-10	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *WRAT Reading Subtest* Scores of *All* Children in NFT Entry Study Sample	38
3-11	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *WRAT Math Subtest* Scores of *All* Children in NFT Entry Study Sample	40
3-12	Raw Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten *WRAT Spelling Subtest* Scores of *All* Children in NFT Entry Study Sample	41
4-1	Ethnicity by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	50
4-2	Ethnicity by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	51
4-3	Ethnicity by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	52
4-4	Ethnicity by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Chilren Only)	53

Table		Page
4-5	Ethnicity by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	54
4-6	Ethnicity by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	55
4-7	Sex by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	58
4-8	Sex by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	59
4-9	Sex by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	60
4-10	Sex by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	61
4-11	Sex by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	62
4-12	Sex by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	63
4-13	Entry Age by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	64
4-14	Entry Age by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	65
4-15	Entry Age by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	66
4-16	Entry Age by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	67
4-17	Entry Age by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	68

Table		Page
4-18	Entry Age by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	69
4-19	Preschool/Head Start Experience by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	71
4-20	Preschool/Head Start Experience by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	72
4-21	Preschool/Head Start Experience by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	73
4-22	Preschool/Head Start Experience by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	74
4-23	Preschool/Head Start Experience by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	75
4-24	Preschool/Head Start Experience by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	76
4-25	Father's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	77
4-26	Father's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	78
4-27	Father's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	79
4-28	Father's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	80
4-29	Father's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	81

Table		Page
4-30	Father's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	82
4-31	Highest Occupation in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	84
4-32	Highest Occupation in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	85
4-33	Highest Occupation in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	86
4-34	Highest Occupation in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	87
4-35	Highest Occupation in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	88
4-36	Highest Occupation in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	89
4-37	Income by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	90
4-38	Income by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	91
4-39	Income by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	92
4-40	Income by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	93
4-41	Income by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	94
4-42	Income by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	95

Table		Page
4-43	Mother's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	97
4-44	Mother's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	98
4-45	Mother's Education by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	99
4-46	Mother's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	100
4-47	Mother's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	101
4-48	Mother's Education by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	102
4-49	Family Composition by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	103
4-50	Family Composition by Reading Typology for the Longitudinal Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	104
4-51	Family Composition by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	105
4-52	Family Composition by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	106
4-53	Family Composition by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	107
4-54	Family Composition by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	108
4-55	Number in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	109

Table		Page
4-56	Number in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	110
4-57	Number in Household by Reading Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	111
4-58	Number in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Low Entry Level Children Only)	112
4-59	Number in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (Moderate Entry Level Children Only)	113
4-60	Number in Household by Math Typology for the Longitudinal NFT Cohort III Kindergarten Sample (High Entry Level Children Only)	114
4-61	Rank Order of the First Five Standardized Coefficients for the First Discriminant Function for the Reading Typology	117
4-62	Rank Order of the First Five Standardized Coefficients for the First Discriminant Function for the Math Typology	117
4-63	Centroids of Longitudinal Typology Groups on First Discriminant Function for Reading and Mathematics	119
5-1	Percent Attrition for Different Areas	122
5-2	Statistics for Background Variables with Attrition	126
5-3	Attrition by Home Ownership	127
5-4	Attrition by Poverty	127
5-5	Attrition by Type of Preschool	128
5-6	Attrition by Ethnicity	128
5-7	Attrition by Female Head of Household	129

Table		Page
5-8	Test Scores for NFT Mobility Groups	130
5-9	Regression Coefficients and Associated Statistics for NFT Mobility Analysis	131
5-10	Test Scores for NFT Mobility Group I in Selected Sites	133
5-11	Regression Coefficients and Associated Statistics for NFT Mobility Group I in Selected Sites	134
5-12	Test Scores for NFT Mobility Group II in Selected Sites	135
5-13	Regression Coefficients and Associated Statistics for NFT Mobility Group II in Selected Sites	136
5-14	Test Scores for NFT Mobility Group III in Selected Sites	137
5-15	Regression Coefficients and Associated Statistics for NFT Mobility Group III in Selected Sites	138

LIST OF FIGURES

NFT VOLUME

Figure		Page
3-1	Direction of Significant ($\alpha \leq .05$) Relationships to WRAT Scores for Black and White NFT Children	29
3-2	Direction of Significant ($\alpha \leq .05$) Relationships to WRAT Scores for All NFT Children Combined	42
4-1	Partitioning of Student Change Patterns	46
4-2	Variables for Which a Signiticant Chi Square Relationship Was Found for the Reading and Math Typology	49
5-1	Percentage of Exit Attrition by Region	123
5-2	Percentage of Treatment Attrition by Region	124

LIST OF TABLES

NFT STUDY - APPENDIX

Table		Page
NFT 1-1	Definition of Selected Variables Used in Comparison of NFT Entry Level Sample with Census Data	141
NFT 3-1	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten Total WRAT Scores of Black Children in NFT Entry Study Sample	142
NFT 3-2	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten Total WRAT Scores of White Children in NFT Entry Study Sample	143
NFT 3-3	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Reading Subtest Scores of Black Children in NFT Entry Study Sample	144
NFT 3-4	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Reading Subtest Scores for White Children in NFT Entry Study Sample	145
NFT 3-5	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Math Subtest Scores for Black Children in NFT Entry Study Sample	146
NFT 3-6	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Math Subtest Scores for White Children in NFT Entry Study Sample	147
NFT 3-7	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Spelling Subtest Scores of Black Children in NFT Entry Study Sample	148
NFT 3-8	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Spelling Subtest Scores of White Children in NFT Entry Study Sample	149
NFT 3-9	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten Total WRAT Scores of All Children in NFT Entry Study Sample	150

Table		Page
NFT 3-10	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Reading Subtest Scores of All Children in NFT Entry Study Sample	151
NFT 3-11	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Math Subtest Scores of All Children in NFT Entry Study Sample	152
NFT 3-12	Standardized Regression Coefficients and Related Statistics of Hierarchical Models for Predicting Fall Kindergarten WRAT Spelling Subtest Scores of All Children in NFT Entry Study Sample	153

LIST OF TABLES

NFT VOLUME - ADDENDUM

Table		Page
0	Number of Sites by Region and City Size (AREA) for NFT Analytic Samples	165
1	Distribution of Background Variables for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Exit at Third Grade and Have Entry Parent Interview by Region and City Size	169
2	Distribution of Background Variables for Non-Follow Through Children Who Were Tested at Entry to Kindergarten, at First Grade and Exit at Third Grade and Have Entry Parent Interview by Region and City Size	170
3	Distribution of Background Variables for All Non-Follow Through Children Who Were Tested at Any Time Point by Region and City Size	171
4	Distribution of Background Variables for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Have Entry Parent Interview by Region and City Size	172
5	Regional Ethnic Percentages in 1970	173
6	Occupation of 1970 National Population by Region for Whites and Blacks	175
7	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Exit at Third Grade and Have Parent Interview Data by City Size in the Northeast	182
8	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Exit at Third Grade and Have Parent Interview Data in the North Central Region	183
9	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Exit at Third Grade and Have Parent Interview Data by City Size in the South	184
10	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Exit at Third Grade and Have Parent Interview Data by City Size in the West	185

Table		Page
11	Standardized Scores for the Total Non-Follow Through Entry Population	186
12	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten, First Grade and Exit at Third Grade and Have Parent Interview Data by City Size in the Northeast	187
13	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten, First Grade and Exit at Third Grade and Have Parent Interview Data by City Size in the North Central Region	188
14	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten, First Grade and Exit at Third Grade and Have Parent Interview Data by City Size in the South	189
15	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten, First Grade and Exit at Third Grade and Have Parent Interview Data by City Size in the West	190
16	Standardized Scores for the Total Non-Follow Through Pre-Post Population	191
17	Standardized Scores for All Non-Follow Through Children at Each Time Point by City Size in the Northeast	192
18	Standardized Scores for All Non-Follow Through Children at Each Time Point by City Size in the North Central Region	193
19	Standardized Scores for All Non-Follow Through Children at Each Time Point by City Size in the South	194
20	Standardized Scores for All Non-Follow Through Children at Each Time Point by City Size in the West	195
21	Standardized Scores for the Total Non-Follow Through Population	196
22	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Have Entry Parent Interview Data by City Size in the Northeast	197

Table		Page
23	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Have Entry Parent Interview Data by City Size in the North Central Region	198
24	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Have Entry Parent Interview Data by City Size in the South	199
25	Standardized Scores for Non-Follow Through Children Who Were Tested at Entry to Kindergarten and Have Entry Parent Interview Data by City Size in the West	200
26	Standardized Scores for the Total Non-Follow Through Longitudinal Population	201

LIST OF FIGURES

NFT VOLUME - ADDENDUM

Figure		Page
1	Data Case Subsets and Data Points Required	160
2	Test Pattern for Kindergarten to Third Grade Period	167
3	Summary of Third Grade Scores Relative to MAT Norm Scores for the Pre-Post Sample	178
4	Summary of First Grade Scores Relative to MAT Norm Scores for the Longitudinal Sample	181
5	Summary of Third Grade Scores Relative to MAT Norm Scores for the Longitudinal Sample	181
6	Existence of Useful Relationships Between Predictor and Outcome Measures for Each Substudy	216

ACKNOWLEDGEMENTS

The Non-Follow Through Study is a product of many persons who have earned our respect and gratitude. We would like to thank Mary Kennedy, Eugene Tucker and David Iwamoto of USOE. Mary was particularly helpful in providing substantive direction for many aspects of the study. Eugene and David, while being primarily concerned with the Follow Through work, always provided sympathetic understanding of our non-Follow Through concerns and needs. At The Huron Institute, Herbert Weisberg, Anthony Bryk and Walter Haney each contributed much during the initial stages of analytic considerations. Our consultants, David Berliner, Jacob Cohen and Richard Light, were primarily concerned with our Follow Through work but graciously provided insight into our planning work.

From our Abt Associates' staff, we would like to thank especially three staff members who devoted most of their time and energies to the study: Muriel Watkins, James Molitor and Joanne Jastrzab. Muriel took overall responsibility for the longitudinal substudy and was a major contributor to the July 8th submission. We are grateful to her for the long hours she spent examining and exploring the data. James Molitor was responsible for the entry level study and was also a major contributor to the July 8th report. We appreciate his ever constant willingness to help no matter what the need. Without Joanne's work in constructing the analytic files, the study could not have been accomplished. She also was responsible for ferreting out the census data and preparing that section of the study.

Dave Napior developed the analytic strategy implemented in the longitudinal study and assisted Muriel in the interpretation and writing of it. Thomas Cerva's assistance in the preparation of the input tapes for the July 8th computer-generated tables was invaluable. His combination of programming and analytic skills made the generation of the tables for the July 8th report a reality.

The much-needed additional support was willingly provided by many others. Abigail Millikan and Arlene Feraco provided superb support in their construction of tables from the myriad of computer output. Tracy Stephens assisted Muriel Watkins both in preparation of computer runs and in table preparation. Mary Hickok helped Joanne both in the preparation of census data and with computer runs. Charles Brooks assisted both in the creation and execution of the attrition and transiency studies. Ellen Katzenstein also provided much help in the execution of these studies.

Sanford Friedman, Michael Hagerty, Paul Freyheit and Michael Duvos lent their programming talents to the effort. Sanford, as supervisor of data processing, always found the help we needed or solved the problem himself. Michael Hagerty created the data base which all studies in our Follow Through evaluation have used. Paul Freyheit provided much assistance in many different ways and always served as a facilitator, especially in our production of computer-generated tables. Michael Duvos was primarily responsible, with Michael Hagerty's assistance, for the construction of the tabling program of which we are all proud. David Poppe kept our files and records of tapes in order.

Karen Keefe spent weeks preparing the typed tables. Claudette Piper supervised the production of reports, and Yevgenia Mackiernan provided the administrative support.

Richard Anderson, as project director, kept the myriad contract detail from overwhelming me as I supervised this study as well as provided analytic supervision to all the studies in this year's evaluation. Linda Stebbins, as editor of the reports, provided much support both in her official functions and as day-to-day professional colleague.

Robert St.Pierre and Thomas Ferb were not involved in this study directly. However, I did appreciate their sympathetic understanding as I tried to juggle both overall analytic supervision of the contract and my responsibilities for this study.

Elizabeth C. Proper
April 15, 1977

CHAPTER ONE

INTRODUCTION

The non-Follow Through portion of the Follow Through data base provides an opportunity to learn much about a large and diverse group of relatively disadvantaged children who are attending schools which are designated non-Follow Through. These non-Follow Through (NFT) children have been selected to serve as comparison group children in the National Evaluation of Follow Through. Although, in some districts, the most disadvantaged may have been selected to participate in the Follow Through program these NFT children generally are assumed to be among the most disadvantaged pupils in the elementary grades. Up to four years of background and achievement data have been collected on the children. We expect that many of these NFT children are participating in various compensatory programs funded by USOE. Descriptions of NFT background characteristics will provide insight into the types of children being served by compensatory education. Their school performance across time and its relationship to their background characteristics provides some additional information about the effectiveness of these programs for different types of children. Because the data were collected for four years, we will also be able to come to a better understanding of attrition rates and the types of children who tend not to remain in a given school district through their early school years and thus would not be present to benefit fully from a specialized long-term program.

We have taken multiple approaches to studying these data.* First, we have examined the relationship of background characteristics to academic performance at entry to kindergarten. Second, we have examined the relationship of background variables to school performance through third grade. Third, we have examined attrition in the NFT sample both to ascertain how it differs across geographic areas and to attempt to find some of its correlates.

---

*In our Interim Report (Special Interim Report in the non-Follow Through Study, 8 July 1976) we examined the academic performance and background characteristics of several data subtests in exploratory work prior to carrying out the studies reported in this volume. That interim report is included as an Addendum to the present volume. Following the 8 July submissions, we noted certain categorization errors. These errors have been corrected for this final submission. The 'Note To The Reader' in the front of the Appendix notes where and how these corrections have been made.

As mentioned above, we expected these NFT children to be among the more disadvantaged within their communities; that is, they would have a lower median family income and a higher proportion of families below the poverty level. Similarly, we also expected the NFT sample to have higher percentages of female heads of households, fewer mothers who were high school graduates and fewer whites.* The data generally support these expectations. (See Tables 1-1 through 1-4) In general, the NFT sample is less affluent than the census population. The degree of disadvantagement, however, does vary among the sites. For example, the St. Louis and Fresno NFT samples are among the most disadvantaged in the cities in which they are located.

On the other hand a few of the NFT sites (Chickasha, Iron River, and Scranton) resemble the census population for those cities, and in some ways they appear slightly more advantaged than the median of the census population.

---

*A technical presentation of these variables may be found in Appendix Table NFT 1-1. It should be noted that, while we have included Mexicans and Puerto Ricans as "Others", census figures include them as Whites.

TABLE 1-1

COMPARISON OF NFT ENTRY-LEVEL SAMPLE WITH CENSUS DATA FOR THE NORTHEAST REGION

Size of City	Range of N's of NFT Population*	Percent Female Heads of Household		Percent Below Poverty Level		Ethnicity**						Median Income		Mother's Education: Percent High School Grad.	
						Percent White		Percent Black		Percent Other					
		NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census
LARGE	580-2284		40.8	45.7	10.8	9.4	78.9	81.1	19.6	9.5	1.5	5245	9486	43.4	44.8
New York, NY	189-585	28.1	17.2	38.1	11.5	2.7	76.7	75.2	21.1	22.1	2.2	5241	9682	38.1	56.7
Philadelphia, PA	208-1438	49.1	18.9	45.4	11.2	13.5	65.6	81.8	33.6	4.7	.8	5706	9366	44.3	54.6
Buffalo, NY	95-148	45.0	18.2	60.0	11.2	2.7	78.8	86.5	20.4	10.8	.8	4440	8804	51.6	56.2
Newark, NJ	86-111	43.8	26.8	46.6	18.4	0	44.1	96.4	54.2	3.6	1.7	5260	7735	43.0	44.3
MEDIUM	464-682	29.5	***	38.1	***	52.9	***	42.2	***	4.8	***	5777	***	48.7	***
Fall River, MA	94-117	16.5	15.1	29.8	10.8	99.1	99.0	.9	.4	0	.6	6767	8278	27.4	38.8
New Haven, CT	83-152	38.9	16.6	42.3	10.2	40.7	78.9	49.2	20.2	10.2	.9	5800	9031	53.7	73.6
Providence, RI	52-59	36.3	18.2	48.2	13.3	52.6	90.0	42.8	8.9	4.6	1.1	5150	8430	59.5	56.1
Trenton, NJ	68-151	43.2	23.0	52.1	12.7	2.0	61.5	88.7	37.9	9.3	.6	4466	8726	38.2	50.7
Scranton, PA	100-134	4.8	15.1	8.0	8.2	100.0	99.0	0	.8	0	.2	8134	8273	77.7	63.4
Paterson, NJ	60-69	57.1	19.2	66.1	12.4	5.8	71.6	85.5	26.9	8.7	1.5	4650	8716	25.0	43.6
SMALL	299-326	17.5	***	22.1	8.4	85.9	95.6	12.6	3.9	1.5	.5	7350	9103	68.6	52.1
Lakewood, NJ	69-77	32.0	15.4	35.1	14.6	41.6	79.9	51.9	19.5	6.5	.6	7200	7961	55.1	60.1
Brattleboro, VT	45	11.1	12.7	11.1	6.6	100.0	99.5	0	.1	0	.4	8250	9939	82.2	63.8
Burlington, VT	83-89	20.0	13.9	27.1	7.7	98.9	99.3	1.1	.4	0	.3	7150	9908	57.8	76.6
Lockhaven, PA	102-115	7.7	14.6	13.6	10.7	100.0	99.4	0	.3	0	.3	7266	7917	80.4	77.4

*All NFT data (except Ethnicity) are based on an interview administered to a sample of parents in the fall of the child's kindergarten year (1971). Thus the number of children for whom we have such data is less than the number of children for whom we have Ethnicity date (which were taken from school records). Although most sample parents answer every question, occasionally data are missing. The lower number provided in the Table is the lowest number of respondents for any variable in the row. The higher number is the number of children for whom we have Ethnicity data.

**Persons who describe themselves as Mexican or Puerto Rican or of Indo-European stock are included as White in the census data. They are included as "Other" in the NFT data.

***Not available from census information used in this study.

Source: 1970 Census of Population: Characteristics of the Population, U.S. Dept. of Commerce, Washington, D.C., January, 1973

TABLE 1-2 COMPARISON OF NFT ENTRY LEVEL SAMPLE WITH CENSUS DATA FOR THE NORTHCENTRAL REGION

Size of City	Range of N's of NFT Population*	Percent Female Heads of Household		Percent Below Poverty Level		Ethnicity**						Median Income		Mother's Education: Percent High School Grad.	
						Percent White		Percent Black		Percent Other					
		NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census
LARGE	733-1127	45.6	***	51.1	9.3	22.3	77.5	73.6	21.6	4.1	.9	4989	9990	43.7	49.9
St. Louis, MO	87-173	60.0	21.2	76.9	14.3	1.7	58.7	98.3	40.9	0	.4	2566	8182	34.5	48.2
Des Moines, IA	78-121	29.6	12.0	32.5	6.9	63.6	93.8	34.7	5.7	1.7	.5	8099	10,239	64.1	68.8
Wichita, KA	96-128	18.0	11.1	31.3	8.2	67.2	89.3	28.1	9.7	4.7	1.0	7499	9523	72.7	66.1
Kansas City, MO	88-116	40.6	13.6	62.0	8.9	2.6	76.9	75.9	22.4	21.6	.7	4367	9885	29.5	62.2
Chicago, IL	295-404	58.8	17.7	56.0	4.1	4.5	65.6	92.3	32.7	3.2	1.7	4499	10,242	35.3	54.9
Akron, OH	85-184	35.1	13.5	33.7	8.8	34.8	82.2	65.2	17.5	0	.3	5799	10,051	44.7	59.4
MEDIUM	583-881	25.5	***	29.0	***	57.3	***	32.9	***	9.8	***	7491	***	56.2	***
Duluth, MN	153-163	12.1	11.7	21.0	7.4	92.6	98.3	1.2	.8	6.1	.9	8066	9313	69.3	71.0
Lincoln, NE	111-259	19.1	8.9	15.0	5.6	93.8	97.6	3.1	1.5	3.1	.9	8057	9928	84.7	80.2
Grand Rapids, MI	96-180	39.4	13.6	44.8	8.9	21.1	88.0	75.6	11.3	3.3	.7	6233	10,004	49.0	57.2
Flint, MI	91-125	40.4	14.4	32.3	9.5	30.4	71.4	67.2	28.1	2.4	.5	6266	10,161	45.1	62.8
Waukegan, IL	77-98	17.2	10.6	27.3	6.0	14.3	86.2	35.7	12.9	50.0	.9	8000	11,478	22.4	62.8
Topeka,	47-56	40.0	11.0	53.2	7.3	37.5	90.4	44.6	8.4	17.9	1.2	4725	9652	44.7	69.9
RURAL	389-425	6.9	***	24.7	10.1	94.1	98.5	4.9	.9	.9	.6	7237	8774	66.4	55.9
Iron River, MI	54-60	3.4	11.2	13.0	13.1	100.0	99.2	0	0	0	.6	7799	6442	82.8	***
Portageville, MO	72-79	12.8	17.2	66.7	30.4	74.7	81.8	25.3	18.1	0	.1	3129	5913	26.4	***
Laurenceburg, IN	84-87	5.8	13.5	15.5	10.8	100.0	95.5	0	4.2	0	.3	8175	8398	61.9	***
Montevideo, MN	173-199	6.1	7.0	13.9	10.0	97.5	99.9	.5	0	2.0	.1	7912	8209	79.3	***

*All NFT data (except Ethnicity) are based on an interview administered to a sample of parents in the fall of the child's kindergarten year (1971). Thus the number of children for whom we have such data is less than the number of children for whom we have Ethnicity date (which were taken from school records). Although most sample parents answer every question, occasionally data are missing. The lower number provided in the Table is the lowest number of respondents for any variable in the row. The higher number is the number of children for whom we have Ethnicity data.

**Persons who describe themselves as Mexican or Puerto Rican or of Indo-European stock are included as White in the census data. They are included as "Other" in the NFT data.

***Not available from census information used in this study.

Source: 1970 Census of Population: Characteristics of the Population, U.S. Dept. of Commerce, Washington, D.C., January, 1973

TABLE 1-3

COMPARISON OF NFT ENTRY LEVEL SAMPLE WITH CENSUS DATA FOR THE WEST

Size of City	Range of N's of NFT Population*	Percent Female Heads of Household		Percent Below Poverty Level		Ethnicity**						Median Income		Mother's Education: Percent High School Grad.	
						Percent White		Percent Black		Percent Other					
		NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census
LARGE	409-637	42.3	***	51.7	9.0	14.9	84.3	50.7	9.7	34.4	6.0	4667	10,183	48.9	60.7
Los Angeles, CA	191-258	40.6	16.2	60.3	9.9	1.2	77.2	41.9	17.9	57.0	4.9	4325	10,535	33.5	62.9
Seattle, WA	80-185	29.9	12.8	22.6	6.0	34.6	87.4	43.8	7.1	21.6	5.5	7299	11,037	77.5	72.9
Oakland, CA	96-144	65.0	17.5	63.3	12.2	.7	59.0	93.1	34.5	.3	6.5	4167	9626	53.1	66.3
San Jose, CA	42-50	22.2	9.8	43.2	6.4	54.0	93.6	0	2.5	46.0	3.9	6299	11,913	54.8	67.6
MEDIUM	402-552	28.4	***	39.5	***	63.2	***	15.2	***	21.6	***	6164	***	58.5	***
Fresno, CA	98-163	46.7	15.2	80.0	12.9	10.4	86.7	42.9	9.6	46.6	3.7	2580	8971	42.9	66.4
Salt Lake City, UT	111-127	23.5	12.8	20.7	10.1	82.7	96.8	3.1	1.2	14.2	2.0	7285	8817	65.5	70.3
Tacoma, WA	89-114	22.0	12.9	32.6	9.2	78.9	90.7	7.9	6.8	13.2	2.5	7134	9537	57.8	61.0
Great Falls, MT	100-148	20.8	10.2	24.0	7.7	92.6	97.1	.7	.5	6.8	2.4	7450	9480	66.3	68.4
SMALL	316-419	18.4		44.6	9.5	41.3	93.6	35.3	2.0	23.4	4.4	5617	9054	43.0	63.5
Greeley, CO	32-40	25.7	9.4	42.9	9.6	40.0	98.4	2.5	.4	57.5	1.2	4767	9091	37.5	80.1
Yakine, WA	62-69	12.3	12.8	32.3	12.7	89.9	95.8	0	2.4	10.1	1.8	6200	8480	55.4	60.1
Tulare, CA	135-151	11.6	13.7	48.6	15.3	60.3	88.9	4.0	8.8	35.8	2.3	4799	7314	30.4	46.9
Menlo Park, CA	84-159	30.1	12.8	47.7	5.6	2.5	80.1	88.7	17.4	8.8	2.5	5799	13,538	56.0	72.5
RURAL	103-123	9.6	***	10.7	12.1	99.2	92.5	0	.1	.8	6.5	9743	8747	88.3	57.5
Clear Lake, WA	103-123	9.6	***	10.7	***	99.2	***	0	***	.8	***	9743	***	88.3	***

*All NFT data (except Ethnicity) are based on an interview administered to a samplw of parents in the fall of the child's kindergarten year (1971). Thus the number of children for whom we have such data is less than the number of children for whom we have Ethnicity date (which were taken from school records). Although most sample parents answer every question, occasionally data are missing. The lower number provided in the Table is the lowest number of respondents for any variable in the row. The higher number is the number of children for whom we have Ethnicity data.

**Persons who describe themselves as Mexican or Puerto Rican or of Indo-European stock are included as White in the census data. They are included as "Other" in the NFT data.

***Not available from census information used in this study.

Source: 1970 Census of Population: Characteristics of the Population, U.S. Dept. of Commerce, Washington, D.C., January, 1973

TABLE 1-4 COMPARISON OF NFT ENTRY LEVEL SAMPLE WITH CENSUS DATA FOR THE SOUT

	Range of N's of NFT Population*	Percent Female Heads of Household		Percent Below Poverty Level		Ethnicity**						Median Income		Mother's Education: Percent High School Grad.	
						Percent White		Percent Black		Percent Other					
		NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census	NFT	Census
LARGE	394-880	48.0	***	60.1	14.1	10.8	71.7	75.5	27.6	13.7	.7	4200	8628	48.4	49.9
Louisville, KY	92-186	46.5	17.5	62.9	13.0	2.7	76.0	97.3	23.8	0	.2	3160	8564	47.8	51.7
Richmond, VA	63-91	31.1	20.3	41.3	13.3	58.2	57.6	40.7	42.0	1.1	.4	5740	8673	31.9	53.9
Houston, TX	90-242	38.7	12.2	62.0	10.7	3.7	73.4	47.5	25.7	48.8	.9	4450	9875	26.7	62.3
Washington, DC	51-58	56.4	25.1	52.7	12.7	0	27.6	96.6	71.1	3.4	1.3	4950	9583	47.1	57.6
Atlanta, GA	92-303	65.7	21.3	72.2	15.9	9.2	48.5	90.8	51.3	0	.2	2589	8399	40.2	56.2
Small	185-229	6.4	***	25.9	***	90.4	***	8.3	***	1.3	***	6790	***	61.1	***
Chickasha, OK	95-137	3.1	12.8	11.6	19.6	97.8	89.4	0	8.9	2.2	1.7	8225	6654	76.3	57.4
Ft. Walton Beach, FL	88-92	10.0	11.7	41.1	9.9	79.3	90.6	20.7	8.8	0	.6	5033	9950	44.3	68.1
RURAL	160-195	7.9	***	54.9	21.3	29.7	81.8	40.0	17.6	30.3	.6	4433	6859	35.0	36.5
Breaux Bridge, LA	102-135	10.5	14.4	51.0	25.4	42.2	70.6	57.8	29.4	0	0	4466	6805	35.3	***
San Diego, TX	58-60	3.3	19.3	61.7	47.9	1.7	99.7	0	0	98.3	.3	4367	4109	34.5	***

*All NFT data (except Ethnicity) are based on an interview administered to a sample of parents in the fall of the child's kindergarten year (1971). Thus the number of children for whom we have such data is less than the number of children for whom we have Ethnicity date (which were taken from school records). Although most sample parents answer every question, occasionally data are missing. The lower number provided in the Table is the lowest number of respondents for any variable in the row. The higher number is the number of children for whom we have Ethnicity data.

**Persons who describe themselves as Mexican or Puerto Rican or of Indo-European stock are included as White in the census data. They are included as "Other" in the NFT data.

***Not available from census information used in this study.

Source: 1970 Census of Population: Characteristics of the Population, U.S. Dept. of Commerce, Washington, D.C., January, 1973

CHAPTER TWO

DESCRIPTION OF THE NFT SAMPLES

Table 2-1 presents basic descriptive data for the entry level and longitudinal samples. Consistent with the Office of Education's request to conduct the entry level analysis separately for each ethnic group, the presentation of data in Table 2-1 provides a display of descriptive information separately for Blacks and Whites for the entry level sample. Only the total sample is reported for the longitudinal sample.

The variables chosen for display are similar to those traditionally found in the educational literature as being significantly related to school performance, in addition to matching the set of covariates used in other phases of the Follow Through analysis, i.e., the entry-exit study. Thus, age, sex, and preschool experience are variables related to the characteristics of the child himself which have been found to be associated with academic performance. Variables such as income, occupation, and education reflect characteristics of the child's home more typically referred to as indicators of family socioeconomic status.

Pupil Characteristics

Table 2-1 indicates that there are negligible differences between Blacks and Whites on the variables used to describe pupil characteristics. The median age at entry for the entry level sample is 5 years 3½ months, an age typical for most pupils entering kindergarten. Age differences are minor for Whites, Blacks, and other minorities. In addition, there are no age differences between the entry level sample and the longitudinal sample.

Sex differences are also minimal across ethnic type. The total entry level sample is represented by 2.4 percent more males than females. Most of this difference is probably due to the differences in males vs. females for other minorities (Spanish-speaking, Chinese, Portuguese, etc.)

and Whites. For Blacks there is only a 0.4 percent difference between the percentage of males and females. In contrast to the entry level sample however, there are 3.6 percent fewer males and 3.6 percent more females in the longitudinal sample. In general, the sex difference in the longitudinal sample is twice that of the entry level sample. This 4.8 percent difference in the longitudinal sample favors females.

There are also negligible differences between Blacks and Whites who speak English as the primary language. As expected, a larger percentage of other minorities speak Spahish as their first language, a reasonable finding given that the largest percentage of other minorities are pupils of Spanish heritage. When the total sample is considered, the predominant language is English. Only 5.3 percent speak Spanish as a first language and only an additional 1.2 percent speak some other language. In terms of the longitudinal sample there are slightly more Spanish speaking pupils and correspondingly slightly fewer pupils whose first language is other than English or Spanish.

While not a characteristic of a child like age or sex, preschool experience is often an integral part of a child's experience prior to formal school which, at entry to school, is also operating to affect future academic performance. In other Follow Through analyses Head Start and other preschool experience seemed to boost performance levels on the entry test. The degree to which preschool experience interacts with entry level performance, therefore, made it an important variable to be considered in the NFT study as well as other analytic work.

As can be seen in Table 2-1, Black pupils attended Head Start and preschool in larger percentages than Whites. By contrast, Whites were more likely not to attend a preschool program. This is also evident when we compare Black and White children's distribution on the "preschool experience in months" descriptor. Here there is a tendency for Blacks to have more preschool experience than Whites, whether we consider the medians or means. (NOTE: The great difference between the sizes of means and medians stems from the fact that overall, for example, nearly 4,000 children had no preschool (0 months) while numerous children had amounts of reported preschool experience ranging from 12 to 48 months. In many cases this may include nursery or daycare "school," but we could not determine this from the data.)

In general, differences between the Entry and Longitudinal samples were small.

Ethnic Regional Distribution

The distribution of Whites, Blacks, and other minorities across geographic regions and city size probably reflects the distribution of minorities across the country. For example, Black pupils tend to be more heavily concentrated in the Northeast and Northcentral regions of the country and in large cities. This finding is quite representative of the country at large. Outside the South, the Northeast and Northcentral large cities are areas in which Blacks reside in large numbers. Pupils of Spanish origin are largely represented in the Northeast, where a large percentage of the country's Puerto Rican population reside, and in the West, where a large percentage of Mexican-Americans reside. Whites tend to constitute a majority in each section of the country, yet in this sample the largest percentage of White pupils come from the Northcentral, Northeast, and West and are slightly more prevalent in medium size citites. As can be seen in Table 2-2, these areas in contrast to areas in which non-Whites predominate, are also the more socioeconomically advantaged sites in our sample. In general, for both the entry level and longitudinal samples, the areas of the country with the largest representation of NFT pupils are the Northeast and Northcentral regions and large cities.

Family Background Characteristics

Income and occupation traditionally have been used as an index of the economic status of the home, while mother's education and family composition have served as an indicator of the social and educational climate of the home. The interaction of occupational status and family income not only serves as an index of a family's econimc status, but when combined with mother's education and family composition operate in affecting the quality of the educational climate of the home as well. This association between a child's family's socioeconomic status and his performance in school has been repeatedly documented by educators and educational psychologists alike.

While there are few age, sex, or language differences between Black and White pupils, there are marked differences in family socioeconomic status. In general, Blacks and other minorities are at a greater socioeconomic disadvantage relative to their White peers. White pupils, on the average, come from families with incomes approximately $3000 higher than that of Blacks and other minorities. This difference in economic status is also demonstrated by the relatively smaller percentages of Blacks and other minorities with incomes over $9999, in addition to the fact that Whites, in general, were probably drawn from the more economically advantaged population (as indicated in Table 2-1).

That a large percentage of the economic difference between Whites and non-Whites may be due to the number of wage earners in the house, is also suggested by the large contrast in the percentage of pupils from one-parent households for Blacks and Whites. In poor and minority families the presence of two working parents often contributes considerably to the family's economic status.

Thus, the relatively higher incomes of White households may be the result of the larger proportion of two-parent families as well as other occupational or educational advantages.

Economic status is highly related with occupational status. Correspondingly, occupational status for White families is higher than that for Blacks. The occupational level of 15 for Whites, as displayed in Table 2-1, corresponds to the occupational category sales; the mean occupational category of 13.7 for Blacks and other minorities lies between skilled craftsmen (14) and operatives (13)*. The median and mean for the total entry level and longtudinal samples also correspond to skilled crafts and operatives.

Mother's educational level has often been found to correlate with early academic performance and consequently also is used as an index of the quality of the educational environment of the home. Viewed in this context, Whites are again at an advantage in comparison to non-White pupils. White mothers have slightly more than 12 years of education in comparison to Black mothers who have slightly less than the equivalency of a high school degree and mothers of other minorities who have a mean education of ninth grade and a median of tenth grade. For the total entry level sample and the longitudinal sample the median educational level is twelfth grade and the mean is eleven-and-one-half years.

---

*The occupational category "operatives" includes employment in manufacturing and non-manufacturing industries.

Entry Level Performance

In addition to variables which reflect pupil and family socioeconomic characteristics, the Fall Kindergarten WRAT is a strong predictor of later academic performance, and as such, has been found to be one of the more powerful covariates in the entry-exit analysis. Table 2-1 therefore includes scores on the WRAT and its subtests as a pretest measure of competence at entry in the major academic domains.

On the average, White pupils tend to score two to three points higher than Blacks and other minorities on each of the Fall Kindergarten WRAT subtests -- reading, mathematics, and spelling -- the cumulative effect of which is an approximate eight-point median advantage or a seven-point mean advantage of the total Fall Kindergarten WRAT.

Since family economic status has often been cited as a strong predictor of entry level performance, much of the difference in test scores between Whites and non-Whites may be related to the economic advantage White pupils have on entry in comparison to their non-White peers. The difference between the entry level and longitudinal sample is negligible, although pupils in the longitudinal sample consistently score higher than pupils in the entry level sample.

TABLE 2-1

BACKGROUND VARIABLES

		ENTRY LEVEL SAMPLE				LONGITUDINAL SAMPLE
		Black	White	Other	Total	
AGE	Median	5.29	5.42	5.43	5.35	5.36
	Mean	5.30	5.43	5.44	5.36	5.38
	Standard Deviation	.35	.39	.76	.38	.35
	Number	4616	3089	1011	8821	1262
SEX	Percent Male	50.2	51.8	52.9	51.2	47.6
	Percent Female	49.8	48.2	47.1	48.8	52.4
	Number	4634	3107	1011	8849	1262
INCOME IN DOLLARS	Median	4424	7686	4939	5735	6717
	Mean	4931	7091	5333	5939	6424
	Standard Deviation	2767	2707	2646	2911	2935
	Number	2173	2241	636	5087	814
	Percent with Income over $9999	9.5	26.2	8.3	16.7	22.
MOTHER'S EDUCATION IN YEARS	Median	11.70	12.66	10.18	12.06	12.23
	Mean	11.58	12.39	8.97	11.60	11.70
	Standard Deviation	2.27	2.51	4.02	2.88	3.06
	Number	2111	2249	640	5039	810
	Percent High School Graduates	44.6	65.7	69.7	51.2	54.7
HIGHEST OCCUPATION IN HOUSEHOLD	Median	13.13	15.12	13.21	13.70	13.80
	Mean	13.75	15.19	13.73	14.40	14.52
	Standard Deviation	1.95	2.31	2.12	2.25	2.41
	Number	2134	2268	624	5065	814
LANGUAGE	Percent English	99.8	98.6	49.3	93.6	92.2
	Percent Spanish	0	.0	45.2	5.2	7.6
	Percent Other	.2	1.4	5.5	1.2	.2
	Number	4618	3052	977	8676	1255
PRESCHOOL EXPERIENCE	Percent Head Start	19.7	10.7	18.3	16.4	14.3
	Percent Other Preschool	20.9	18.6	17.3	19.5	23.6
	Percent None	31.7	51.6	37.2	38.9	50.7
	Percent Unknown	27.8	19.1	27.5	25.2	11.4
	Number	4639	3110	1011	8881	1262
PRESCHOOL EXPERIENCE IN MONTHS	Median	.42	.16	.37	.29	.18
	Mean	4.69	2.23	4.43	3.72	2.44
	Standard Deviation	6.93	5.46	6.64	6.48	5.23
	Number	3038	2460	697	6237	1084
FEMALE HEADS OF HOUSEHOLD	Percent	50.5	13.2	19.9	30.2	22.4
	Number	2277	3110	664	8881	841
REGION	Percent Northeast	47.0	27.5	25.2	38.2	39.6
	Percent Northcentral	24.6	37.2	13.5	27.5	29.2
	Percent South	16.4	11.6	18.1	14.7	15.8
	Percent West	12.0	23.8	43.2	19.6	15.5
	Number	4639	3110	1011	8881	1262
CITY SIZE	Percent Large	79.1	21.1	59.6	56.7	42.7
	Percent Medium	14.3	39.1	23.5	23.9	25.4
	Percent Small	4.5	21.2	10.5	11.0	15.5
	Percent Rural	2.1	18.6	6.3	8.4	16.3
	Number	4639	3110	1011	8881	1262
TOTAL FALL KINDERGARTEN WRAT SCORE	Median	23.79	31.68	25.36	26.44	28.22
	Mean	25.66	32.40	26.96	28.26	30.00
	Standard Deviation	11.94	13.64	12.92	13.09	12.70
	Number	4639	3110	1011	8881	1262
FALL KINDERGARTEN WRAT READING	Median	11.23	13.61	10.64	11.82	12.35
	Mean	12.87	15.16	12.25	13.64	14.28
	Standard Deviation	6.21	6.82	6.20	6.55	6.57
	Number	4639	3110	1011	8881	1262
FALL KINDERGARTEN WRAT MATHEMATICS	Median	9.18	11.45	8.86	9.84	10.55
	Mean	9.15	10.87	8.85	9.73	10.37
	Standard Deviation	4.34	4.68	4.83	4.60	4.42
	Number	4639	3110	1011	8881	1262
FALL KINDERGARTEN WRAT SPELLING	Median	2.78	5.94	5.16	3.93	4.60
	Mean	3.64	6.37	5.86	4.89	5.34
	Standard Deviation	3.47	4.42	4.43	4.17	4.13
	Number	4639	3110	1011	8881	1262

CHAPTER THREE

ENTRY STUDY

OVERVIEW OF ENTRY STUDY

The NFT Entry Study represents a significant part of our investigation of educational disadvantage in the non-Follow Through world. This is done by providing relatively detailed information on the correlates of entry level performance as assessed by fall kindergarten WRAT scores. Thus, the Entry Study analyses may be useful as a means of identifying disadvantaged children to whom compensatory education services of various kinds might be extended.

In the Analysis Plan presented to the Follow Through Design Conference in July of 1976[*] a lengthy facet sentence was proposed as a means of summarizing the findings of the Entry Study. Five paths through this facet sentence were identified as being of particular interest. These will be restated in the form of questions they imply, and relevant findings will be cited to provide the reader with an overveiw of our results. We will present the details of our findings in later sections of this report.

The first set of questions addressed in the Entry Study may be summarized as follows:

$$\text{(1) Are } \left\{ \begin{array}{l} \text{Mother's education} \\ \text{Family income} \\ \text{Highest occupational status} \\ \text{Language} \\ \text{Ethnicity} \end{array} \right\} \text{ associated with}$$

entry performance as measured by the fall kindergarten WRAT?

---

[*] Agenda and Reading Materials: Follow Through Design Conference, July 19-20, 1976.

In a subsequent section we present our findings from analyses conducted using the entire NFT Entry sample and the Total WRAT score. Our analysis indicates that mother's education, family income in thousands of dollars, and highest occupational status in the household were all significantly positively related to Total WRAT scores. "Use of a language other than English in the home" and being Black were both negatively related to performance on the WRAT, but did not explain sufficient additional criterion variance as indicated by changes in R^2 to warrant inclusion in the final model for Total WRAT scores. (They were, however, used in the final model for the Spelling subtest scores, as will be seen below.)

In addition to the SES indicators -- i.e., education, income, and occupational status -- cited above, children of the following kinds tended to have higher Total WRAT scores:

- Older children;
- Female children;
- Children with Head Start and/or some other preschool experience.

A second set of questions investigated in this study may be summarized as:

(2) Do the variables listed in (1) relate to entry level in different ways or with differing strengths for children with varying amounts of $\left\{\begin{array}{l}\text{Head Start}\\ \text{Other Preschool}\end{array}\right\}$ experience?

In preliminary analyses we tested for this possibility by generating a number of interaction terms using indicators of Head Start and other preschool experience with the other independent variables. Although the interactions of preschool and language/ethnicity variables had statistically significant regression coefficients, their contribution to R^2, the proportion of explained variance was so small after "main effects" were entered -- less than .005 -- they were not considered substantively significant and were dropped from analyses. Thus, we concluded that the variables in (1) did not relate to entry level differently for different types of preschool, although the *Head Start* and other preschool indicators were sometimes positively related to test performance as *main effects*.

The third set of questions concerned the relationship of academic risk to performance:

(3) Do $\left\{\begin{array}{c}\text{High}\\ \text{Low}\end{array}\right\}$ academic risk children perform differently on the WRAT $\left\{\begin{array}{l}\text{reading}\\ \text{math}\\ \text{spelling}\end{array}\right\}$ subtest?

We assume that "risk" may be defined in terms of ethnicity, language, and standard SES variables -- i.e., low ratings on social status indicators and/or being in a minority ethnic or language group increase "risk." We will address question (3) by considering results from the total sample analyses for the various subtests. These results are presented for the reading, math, and spelling subtests in separate sections below and indicate that for all three subtests, SES indicators show significant positive relationships to subtest scores. For the spelling subtest, it was found that ethnicity and language were also significantly related to performance, with Whites and children from homes which speak English as a primary language having the advantage. In general, then, we conclude that the answer to (3) may well be "in part, yes," since SES and the language/ethnicity contrasts are important "explainers" of score variance.

As a fourth area of inquiry, we asked:

(4) Do patterns of relationships among variables differ in $\left\{\begin{array}{l}\text{North Eastern}\\ \text{North Central}\\ \text{Southern}\\ \text{Western}\end{array}\right\}$ regions of the country, or in $\left\{\begin{array}{l}\text{large}\\ \text{medium}\\ \text{small}\\ \text{rural}\end{array}\right\}$ communities?

To examine this possibility, a set of twelve contrasts was developed and entered into regression analyses for Blacks and Whites separately, and for the combined sample. Although varying patterns of *statistically* significant coefficients were observed for different contrasts on different test scores for different groups of cases, contributions to explained criterion variance were far below levels established as criteria for *substantive* significance. In addition, it will be noted in the tables presenting our results that when these contrasts were entered, coefficients on other variables already in the equations were not conspicuously affected. We therefore concluded that these region/city size indicators were not useful in explaining test performance, given the small increases in R^2, and that question (4) could be answered with a "no."

Finally, we asked:

(5) Do demographic variables interact so that such

$$\text{interaction terms as } \left\{\begin{array}{l}\text{sex-age}\\ \text{sex-ethnicity}\\ \text{age-ethnicity}\end{array}\right\} \text{ explain}$$

significant additional criterion variance?

Our incorporation of interaction terms in preliminary analyses after main effects were entered proved to be of little utility, indicating that interaction effects were negligible.

The Entry Study in Detail: Methodology

The analysis strategy for the NFT Entry Level Study was to determine correlates of four fall kindergarten WRAT scores (the total score, the reading subtest, the math subtest, and the spelling subtest scores) using the set of sociodemographic indicators mentioned in Chapter Three to describe the samples. This was accomplished through multiple regression analyses in which each of the four WRAT scores was regressed on the descriptors. This procedure was followed for the entire sample of 8,881 NFT children with complete valid fall kindergarten WRAT data as well as separately for the 3,100 White NFT children and the 4,639 Black NFT children in the combined group. The sample used here differs from the Entry Study sample described in the 8 July report only in that here we permit the data on income to be missing. This information is carried in the "Missingness of Parent Interview SES Data" variable used as a predictor. Varying patterns of missing data reduce these total samples for any given analysis.

The "Hierarchy" of Independent Variables

As is well known, the order in which predictors (independent variables) are entered into a regression analysis can affect both the coefficients on those variables and the changes in explained variance. For this reason, we wish to call the reader's attention to the order of entry of independent variables in the present analyses. The variables, in order of entry, were the following:

(1) Age at entry, broken into six-month intervals;

(2) Sex, a dummy variable coded 1 for female and 0 for male;

(3) "Missingness" of Parent Interview SES data, coded 0 to 3 depending on how much SES data is missing;

(4) Family income in thousands of dollars;

(5) Mother's education in years;

(6) Highest occupational status (using the Census occupational prestige scale) in the household;

(7) Female head of household;

(8)* For the full sample, a set of four contrast coded variables carrying information on language used in the home (English or non-English) and ethnicity (Black, White, or other); for the separate Black/White runs, only a language indicator was used.

(9) A set of three dummy variables to compare various Head Start preschool experience patterns with "no preschool at all";

(10) The number of months of preschool;

(11) A set of 12 contrast coded variables carrying information on various combinations of region and city size.

The order of entry for the several independent variables and sets of variables was determined by a somewhat logical, somewhat chronological model. This is most evident in the full sample analyses in the entry order of the set of four language/ethnicity variables. It has been suggested that the negative "effects" of race on performance measures frequently appear because ethnicity is confounded with socioeconomic status, which is known to correlate with academic performance. For this reason the socioeconomic status (SES) indicators -- income, education, and occupational status -- were entered ahead of the language/ethnicity indicators so that SES could explain as much of the variance in the dependent variables as possible before ethnicity was entered. Then, by entering the ethnicity information it was possible to determine whether ethnicity still explained additional variance in the performance measures.

---

*This coding approach was taken because language and ethnicity are highly confounded.

This obviously was not possible when the analyses were *blocked* on ethnicity to see if Blacks and Whites showed different patterns in the regression (or just a different overall level, indicated by the constant -- or intercept -- term). For the blocked analyses, a dummy variable for non-English languages in the home was used.

In addition to these "main effects" variables, a set of 30 two-way interaction terms was investigated in preliminary analyses of the total sample results. These included interactions of Head Start and other preschool indicators with income, occupation, mother's education, ethnicity, and language indicators, and sex with ethnicity, age, and language indicators and age with ethnicity. This set of interaction terms was entered into the regression after the "main effects" had been entered. Although the coefficients of the preschool-by-ethnicity terms were statistically significant, the entire set of 30 increased the R^2 by less than 0.01, and they were deleted from the main analyses presented in this report.

Because the entry of variables occurs in a specific order, the models so generated may be considered "hierarchical." The advantage to this analytic approach lies in the fact that it provides information on how the sequenced addition of variables (or sets of variables) increases the proportion of explained variance and also permits certain variables to be entered ahead of others. SES effects can thus be considered before race is entered, for example, to see if race *per se* is an important correlate of performance independent of SES.

Reduction to Parsimonious Models

Because of the substantial number of cases, even when the analyses were blocked on ethnicity, almost any potentially relevant variable entered into the regression is likely to have a statistically significant regression coefficient. To avoid the clumsiness of regression models with 20-25 terms, we decided to reduce the size of the regression equation to parsimonious models by requiring that two criteria be met:

- First, it was determined that any variables whose regression coefficient for a given WRAT measure was not statistically significant at the .05 level* in the most complex model was not to be included in the parsimonious model for that measure.
- Second, when entering an additional variable did not increase R^2 by at least .01 at the time of entry was not eligible for the parsimonious model.

For sets of contrast variables, we required an average R^2 increase of .01 per variable and significance at the .05 level for at least one variable in the set or the entire set was dropped. For sets of dummy variables, we required an R^2 increase of .01 for each variable showing a significant relationship (at the .05 level) to the dependent variable.

Once the variables to be included in the parsimonious model for any performance measure had been determined, the regression was rerun using only those variables. This was done using a stepwise selection algorithm to enable us to make some determination of the relative explanatory power of the different independent variables.** In the presentation of results which follows, the columns headed "Parsimonious Model" present the final coefficients--i.e., all eligible variables in the reduced equation. Numbers in parentheses indicate the order of entry, from first to last entered.

As a check on the assumptions of homoscedasticity and linearity, predicted values of the total WRAT score from regression equations developed for Blacks, Whites, and the total sample were plotted against actual WRAT scores. Examination of the plots disclosed no significant departure from these assumptions.

---

*Regression coefficients not statistically significant at the .05 level are shaded in the tables.

**We are aware, of course, that stepwise selection algorithms produce somewhat unstable results when the independent variables are highly intercorrelated. An examination of the raw correlation matrices in the Appendix will reassure the reader that multicolinearity was not a serious problem in these analyses.

Black/White Results in Detail

In this first major section on Entry Study results, we will present our findings in the analyses conducted on Black and White children separately. However, before presenting the results, a few remarks on the separate analyses are in order, particularly regarding the significance of the Black/White differences observed. Although we do not specifically address the significance of differences between corresponding Black and White children's regression coefficients, some preliminary investigations in this regard were conducted. A direct test for the significance of regression coefficients on terms reflecting the interaction between ethnicity and other independent variables in analyses of the combined sample -- i.e., Blacks and Whites lumped together. If the interaction term carries a statistically significant coefficient, the Black/White differences in the separate analyses are significant at the same level.

In preliminary combined analyses, a number of interaction terms were considered as discussed above. Among these were interactions involving ethnicity, language, and preschool variables. (As will be seen below, the use of a language other than English -- most often Spanish -- in the home and the various indicators of preschool experience frequently showed different Black/White patterns.) The coefficients on the Head Start- and some preschool-by-ethnicity terms were statistically significant, but the entire set of interaction terms only increased R^2 by .005. It was therefore concluded that although Black/White differences might be statistically significant due to the large sample size, the substantive significance of the differences is negligible.

First we will present and discuss the results for the Total Fall Kindergarten WRAT score. Since interpretation in terms of changes in the raw scores is only possible with the unstandardized regression coefficients (b's), these will be the focus of our discussion. However, we will also present the standardized coefficients (B's, or beta weights) in separate tables in the Appendix to facilitate comparisons of the explanatory power of various independent variables across outcome measures. Following the total WRAT results, we present the results for the WRAT subtests: reading, math, and spelling in the same format as was used for the total score.

Black/White Results on the Total WRAT

Unstandardized regression results on the Total WRAT for Black children and White children appear in Tables 3-1 and 3-2, respectively. Comparable standardized regression results appear in the Appendix in Tables NFT 3-1 and NFT 3-2, respectively.

In comparing the unstandardized regression results, some interesting patterns emerge and require discussion before we consider the magnitude and direction of relationships between independent and dependent variables. These include:

- the "preschool" indicators, and
- the multiple R^2 (proportion of explained variance).

The first interesting pattern emerged in the behavior or the preschool indicators. The "don't know" and "number of months of preschool" variables were of no real utility in either the Black or White analyses, the latter result suggesting that type of preschool is what matters, or that the "don't know" group is quite heterogeneous. For Blacks, both "Head Start" and "Some Preschool" experience contribute to significantly higher entering WRAT scores. For Whites, only the "Some Preschool" indicator was significantly related to Total WRAT scores. This suggests that Head Start provides something for Blacks (e.g., a start on reading) which is either not needed by Whites (perhaps because they get it at home?) or is not provided to them.

When we look at the R^2 for models on Blacks and Whites, we notice immediately that although neither group shows a large R^2 the coefficient is consistently larger for White children than for Black children. Several possible statistical and substantive explanations for this result may be advanced:

- R^2 depends heavily on variances of the variables whose interrelationships it summarizes. For Blacks, variances on outcome measures are smaller than for Whites.
- Black children's scores may be less stable--in the sense of statistical reliability--due to greater exposure to distressing personal situational factors in the home or community.

Table 3-1

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	1.02	-1.46	-2.07	-4.39	-9.13	-14.09	-14.52	-14.50	-16.18	-16.05	-20.30		-9.79
AGE	2.32	2.40	2.44	2.46	2.47	2.49	2.49	2.49	2.51	2.51	2.92		2.36 (2)
SEX		3.31	3.31	3.33	3.35	3.37	3.37	3.37	3.26	3.26	3.34		3.27 (3)
MISSINGNESS OF DATA			.16	.16	.17	.18	.17	.17	.76	.77	.43		
INCOME IN THOUSANDS OF DOLLARS				.40	.36	.33	.32	.32	.31	.31	.25		.34 (4)
MOTHER'S EDUCATION					.42	.37	.37	.37	.30	.30	.24		
HIGHEST OCCUPATION IN HOUSEHOLD						.40	.40	.40	.37	.37	.32		.42 (5)
FEMALE HEADS OF HOUSEHOLD							.34	.38	.35	.37	.51		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-1.63	-1.94	-1.92	-1.31		
PRESCHOOL INDICATORS													
Head Start									3.18	2.31	2.81		2.06 (6)
Some Preschool									5.06	4.49	4.37		4.27 (1)
Don't Know									.07	-.35	.06		
Number of Months of Preschool										.09	.07		
REGION/CITYSIZE CONTRASTS													
X1											6.22		
X2											2.30		
X3											-1.85		
X4											-6.87		
X5											12.16		
X6											-2.94		
X7											8.09		
X8											19.63		
X9											3.48		
X10											*		
X11											1.21		
X12											-8.89		
MULTIPLE R	.14	.20	.20	.22	.23	.24	.24	.24	.29	.29	.37		.27
MULTIPLE R^2	.02	.04	.04	.05	.05	.06	.06	.06	.08	.09	.14		.07
CHANGE IN R^2 (ΔR^2)	-	.02	.00	.01	.00	.01	.00	.00	.02	.01	.05		-
F	43.61	44.64	30.03	27.79	25.29	22.79	19.59	17.17	18.56	17.43	15.67		29.61
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-2

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	-4.57	-6.60	-6.70	-13.65	-27.38	-35.33	-35.90	-35.33	-33.95	-34.04	-32.86		-33.76
AGE	3.40	3.47	3.47	3.45	3.45	3.35	3.35	3.34	3.29	3.29	3.22		3.29 (2)
SEX		2.80	2.80	2.87	2.92	2.84	2.84	2.83	2.88	2.87	2.88		2.87 (5)
MISSINGNESS OF DATA			.06	.02	.06	.08	.02	.03	.64	.64	.27		
INCOME IN THOUSANDS OF DOLLARS				1.02	.73	.57	.56	.56	.54	.54	.47		.56 (4)
MOTHER'S EDUCATION					1.27	1.02	1.02	.98	.93	.93	.87		.97 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.88	.87	.87	.82	.82	.83		.83 (3)
FEMALE HEADS OF HOUSEHOLD							.37	.41	.53	.57	.86		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-2.61	-2.75	-2.76	-3.56		
PRESCHOOL INDICATORS													
Head Start									-.54	-.95	-1.01		
Some Preschool									2.57	2.27	2.07		2.54 (6)
Don't Know									-1.88	-2.02	-1.62		
Number of Months of Preschool										.06	.04		
REGION/CITYSIZE CONTRASTS													
X1											4.84		
X2											3.06		
X3											1.46		
X4											-1.32		
X5											-15.60		
X6											-15.41		
X7											-1.69		
X8											.78		
X9											-2.16		
X10											16.91		
X11											-2.46		
X12											-7.43		
MULTIPLE R	.20	.22	.22	.30	.38	.40	.40	.40	.41	.41	.44		.41
MULTIPLE R^2	.04	.05	.05	.09	.14	.16	.16	.16	.17	.17	.19		.16
CHANGE IN R^2 (ΔR^2)	-	.01	.00	.04	.05	.02	.00	.00	.01	.00	.02		-
F	91.63	58.89	39.24	56.23	74.94	71.99	61.72	54.32	41.37	38.01	22.67		74.69
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

- Measures used in the Entry Study analyses may be irrelevant to the experiences of Blacks.

Unfortunately, the available data do not permit us to test the validity of these alternative explanations.

We will now consider each independent variable (or set of independent variables) in their order of entry, bearing in mind that we are dealing with partial effects -- i.e., earlier variables partialed out.

- Age at entry is consistently positively related to test performance. Each 6-month interval of age increases Total WRAT scores about 2.5 points for Blacks, and about 3.40 points for Whites.

- Sex is consistently related to test performance. Black girls score about 3.3 points higher than Black boys, and White girls score about 2.80 points higher than White boys.

- Missingness of PI SES data is not generally related to test performance for Black or White children.

- Income in thousands of dollars makes only about 1/2 point difference per thousand for Blacks, but is associated with increases of about 1 point per $1,000 for Whites.

- Mother's education in years is consistently positively related to entry performance on the WRAT. The criterion increment for Blacks is only about .40 per year of mother's education while for Whites it is over 1; variances of mother's education are about equal for Blacks and Whites.

- Highest occupation in household is consistently positively related to Total WRAT scores, with the increment for Blacks being about .40 points per unite change in occupational status while for Whites it is in excess of .8.

- Female head of household was not significantly related to entry WRAT performance.

- English-speaking vs. non-English speaking: use of a foreign language in the home did not show a significant relationship to Total WRAT performance.

- Preschool indicators showed varying relations with Total WRAT scores:
  - a) Head Start experience was associated with increments of about 3 points for Blacks but was not significantly related to White Total WRAT scores.
  - b) Some Preschool was associated with increases of about 5 points for Blacks, and about 2.5 points for Whites.
  - c) Don't know preschool was not significantly related to WRAT performance.
  - d) Number of months of preschool was not significantly related to WRAT performance.
- Region/City Size Contrasts together were of little utility as evidenced by generally non-significant coefficients and small increments in R^2 given that 12 variables were entered.

When we turn to a consideration of the parsimonious models for Black and White children, we notice striking differences in the order of entry of variables common to both Black and White models. Using stepwise selection, variables entered in the order listed below:

Black Children	White Children
Some Preschool	Mother's Education
Age	Age
Sex	Highest Occupation in Household
Income in Thousands	Income in Thousands
Highest Occupation in Household	Sex
Head Start Experience	Some Preschool

Note that, for Blacks, preschool and demographic variables are more useful predictors of -- i.e., have higher partial correlations with -- WRAT performance than are SES variables, while for White children this seems to be reversed. The differences may be due to reduced variability in mother's education and highest occupation in household among Blacks, or to genuine Black/White differences in what determines academic performance.

In alternative explanation may also be valid. In preliminary analyses, a number of interaction terms were investigated, as stated above. In these analyses it was found that these were statistically significant ethnicity-by-preschool interaction effects. Since the entire set of interaction terms increased R^2 by a very small amount, we concluded there were no substantively significant interaction effects, and interaction terms were dropped from subsequent analyses. However, the fact that by purely statistical criteria these interaction effects exist, coupled with purely statistical criteria for stepwise selection procedures may well explain the differing orders of entry observed in these parsimonions models

Black/White Results on the WRAT Reading Subtest

Unstandardized regression results on the WRAT Reading subtest for Blacks and White appear in Tables 3-3 and 3-4, respectively. Corresponding standardized regression results appear in the Appendix in Tables NFT 3-3 and NFT 3-4, respectively.

In comparing the unstandardized regression results for Blacks and Whites, we again find the patterns observed when the Total WRAT results were considered above. These include:

- the "preschool" indicators, and
- the proportions of explained variance.

Also, we again note that our models explain a smaller proportion of criterion variance for Blacks than for Whites. In examining the independent variables, we find essentially the same patterns as were observed for the Total WRAT, which is to be expected. These patterns are summarized for the reading (and other) subtest scores in Figure 3-1, below. Since the Reading subtest is one of three scores summed to generate the Total WRAT score and correlates .91 with the total score, it is not surprising that similar patterns should obtain.

Among the preschool indicators, neither the "don't know" dummy variable nor the "number of months of preschool" were very useful predictors for either Blacks or Whites. The "Head Start" and "Some Preschool" dummies were significantly related to reading scores for Blacks, while only the "Some Preschool" indicator was useful for Whites.

Table 3-3

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	6.95	6.00	5.48	4.35	1.33	- 1.49	- 1.89	- 1.89	- 2.43	- 2.36	- 3.18		7.11
AGE	.36	.59	.62	.63	.64	.65	.65	.63	.66	.66	.93		
SEX		1.28	1.27	1.28	1.30	1.31	1.31	1.31	1.25	1.25	1.30		1.23 (2)
MISSINGNESS OF DATA			.13	.13	.16	.16	.16	.16	.46	.46	.21		
INCOME IN THOUSANDS OF DOLLARS				.21	.18	.17	.16	.16	.16	.16	.12		.17 (4)
MOTHER'S EDUCATION					.24	.21	.21	.21	.18	.18	.14		
HIGHEST OCCUPATION IN HOUSEHOLD						.24	.24	.24	.23	.22	.20		.25 (3)
FEMALE HEADS OF HOUSEHOLD							.16	.18	.16	.17	.28		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								- .98	- 1.07	- 1.06	- .40		
PRESCHOOL INDICATORS													
Head Start									1.43	1.01	1.41		.93 (4)
Some Preschool									2.41	2.13	2.06		2.05 (1)
Don't Know									- .12	- .32	- .04		
Number of Months of Preschool										.04	.63		
REGION/CITYSIZE CONTRASTS													
X1											3.50		
X2											1.80		
X3											- .31		
X4											- 4.60		
X5											7.77		
X6											- .66		
X7											2.64		
X8											12.81		
X9											3.72		
X10											*		
X11											.04		
X12											- 3.38		
MULTIPLE R	.06	.12	.12	.15	.18	.19	.19	.19	.24	.25	.34		.21
MULTIPLE R^2	.00	.01	.02	.03	.03	.04	.04	.04	.06	.06	.12		.04
CHANGE IN R^2 (ΔR^2)	-	.01	.01	.01	.00	.01	.00	.00	.02	.00	.06		-
F	9.18	16.67	11.78	13.72	14.59	14.31	12.31	10.81	12.85	12.12	12.96		20.17
α	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-4

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	5.83	5.13	4.78	1.77	- 6.97	- 8.61	- 9.01	- 8.66	- 7.85	- 7.93	- 9.21		- 6.69
AGE	.86	.88	.90	.89	.89	.84	.85	.84	.82	.82	.92		.77 (3)
SEX		.93	.93	.96	.98	.95	.95	.94	.97	.96	.96		
MISSINGNESS OF DATA			.16	.17	.16	.17	.17	.17	.45	.45	.25		
INCOME IN THOUSANDS OF DOLLARS				.44	.30	.23	.22	.22	.20	.21	.17		.22 (4)
MOTHER'S EDUCATION					.62	.51	.51	.49	.45	.45	.43		.48 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.40	.40	.40	.36	.36	.38		.38 (2)
FEMALE HEADS OF HOUSEHOLD							.26	.28	.35	.39	.66		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								- 1.62	- 1.71	- 1.72	- 2.08		
PRESCHOOL INDICATORS													
Head Start									- .30	- .86	- .58		
Some Preschool									1.55	1.28	1.20		1.39 (5)
Don't Know									- .70	- .81	- .81		
Number of Months of Preschool										.06	.03		
REGION/CITYSIZE CONTRASTS													
X1											2.88		
X2											1.36		
X3											2.93		
X4											- 2.51		
X5											- 9.07		
X6											-10.06		
X7											- 4.40		
X8											1.80		
X9											- .04		
X10											8.35		
X11											- .98		
X12											- 3.65		
MULTIPLE R	.10	.12	.12	.21	.31	.33	.33	.34	.35	.35	.40		.33
MULTIPLE R^2	.01	.01	.02	.05	.10	.11	.11	.11	.12	.12	.16		.11
CHANGE IN R^2 (ΔR^2)	-	.00	.01	.03	.05	.01	.00	.00	.01	.00	.04		-
F	22.68	16.74	11.91	27.46	48.22	47.36	40.63	36.00	28.54	26.44	17.50		56.93
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

FIGURE 3-1

DIRECTION OF SIGNIFICANT ($\alpha \leq .05$) RELATIONSHIPS TO WRAT SCORES FOR BLACK AND WHITE NFT CHILDREN

	Total WRAT		WRAT Reading		WRAT Math		WRAT Spelling	
	Black	White	Black	White	Black	White	Black	White
Age	+*	+*	+	+*	+*	+*	+*	+*
Sex (Female)	+*	+*	+*	+	+*	+	+*	+*
Missingness of Data								
Income in Thousands	+*	+*	+	+*	+	+*	+	+*
Mother's Education	+	+*	+	+*		+*	+	+*
Highest Occupation in Household	+*	+*	+*	+*		+*	+	+*
Female Head of Household								
Non-English Language in Home						-		
Preschool Indicators								
Head Start	+*		+*		+*		+	
Some Preschool	+*	+*	+*	+*	+*	+	+*	+
Don't Know Preschool								
Number of Months of Preschool								
Region/Citysize Contrasts								

* Indicates variable retained in parsimonious model.

As we found when analyzing Total WRAT scores, the parsimonious models for Blacks and Whites are different from each other. The variables entered in the stepwise order given below:

Black Children	White Children
Some Preschool	Mother's Education
Sex	Highest Occupation in Household
Highest Occupation in Household	Age
Head Start	Income in Thousands
	Some Preschool

Notice that for Black Children, the best predictors of reading scores are preschool experience and sex indicators, while for White children SES indicators are more useful.

Black/White Results on the WRAT Math Subtest

Unstandardized regression results on the WRAT Math subtest for Blacks and Whites appear in Tables 3-5 and 3-6, respectively. Corresponding standardized regression results appear in the Appendix in Tables NFT 3-5 and NFT 3-6, respectively.

As before, some interesting patterns in the behavior of several predictors emerge from a comparison of results for Black and White children, but some patterns are different from those previously encountered. Our discussion will focus on the behavior of:

- mother's education;
- highest occupation in household;
- female head of household;
- the language indicator; and,
- the preschool indicators

"Mother's education," after showing positive relationships to test scores both for Black and White children, was not strongly related to math scores of Black children. It was, however, positively related to the math performance of Whites.

Table 3-5

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	1.46	-3.37	-2.25	-2.73	-3.76	-4.82	-4.61	-5.34	-5.30	-6.12			-2.51
AGE	1.02	1.04	1.03	1.04	1.04	1.05	1.05	1.05	1.05	1.11			1.01 (1)
SEX		.96	.96	.96	.97	.97	.97	.94	.94	.96			.93 (3)
MISSINGNESS OF DATA			- .03	- .03	- .03	- .03	- .03	.15	.15	.10			
INCOME IN THOUSANDS OF DOLLARS				.09	.08	.07	.07	.07	.07	.06			
MOTHER'S EDUCATION					.09	.08	.08	.06	.05	.05			
HIGHEST OCCUPATION IN HOUSEHOLD						.09	.09	.08	.08	.07			
FEMALE HEADS OF HOUSEHOLD													
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking							- .60	- .70	- .70	-1.10			
PRESCHOOL INDICATORS													
Head Start								1.17	.96	.98			.85 (4)
Some Preschool								1.89	1.54	1.54			1.49 (2)
Don't Know								.19	.09	.14			
Number of Months of Preschool									.03	.02			
REGION/CITYSIZE CONTRASTS													
X1										.90			
X2										- .34			
X3										- .51			
X4										- .33			
X5										3.30			
X6										-2.03			
X7										1.55			
X8										1.94			
X9										2.86			
X10										•			
X11										.04			
X12										-3.03			
MULTIPLE R	.17	.20	.20	.21	.21	.22	.22	.26	.26	.31			.24
MULTIPLE R^2	.03	.04	.04	.04	.05	.05	.05	.07	.07	.10			.06
CHANGE IN R^2 (ΔR^2)	--	.01	.00	.00	.01	.00	.00	.02	.00	.03			---
F	64.08	46.68	31.18	25.23	21.21	18.26	15.68	16.35	15.07	10.88			35.91
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			.000

Table 3-6

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	- 1.47	- 1.91	- 2.02	- 4.20	- 8.49	-10.72	-10.25	- 9.94	- 9.94	- 9.15			-10.15
AGE	1.14	1.15	1.16	1.15	1.15	1.12	1.11	1.09	1.09	1.04			1.10 (2)
SEX		.58	.58	.61	.62	.60	.59	.61	.61	.60			
MISSINGNESS OF DATA			.05	.06	.06	.06	.06	.24	.24	.13			
INCOME IN THOUSANDS OF DOLLARS				.32	.23	.18	.19	.19	.19	.18			.18 (4)
MOTHER'S EDUCATION					.40	.33	.30	.29	.29	.27			.32 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.25	.24	.24	.24	.25			.25 (3)
FEMALE HEADS OF HOUSEHOLD													
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking							- 1.94	- 1.92	- 1.92	- 2.23			
PRESCHOOL INDICATORS													
Head Start								.29	.31	.29			
Some Preschool								.56	.56	.50			
Don't Know								- .58	- .58	- .55			
Number of Months of Preschool									- .00	- .01			
REGION/CITYSIZE CONTRASTS													
X1										1.07			
X2										1.08			
X3										- 1.02			
X4										.46			
X5										1.38			
X6										- 4.70			
X7										- .14			
X8										- 2.91			
X9										- .12			
X10										6.47			
X11										- .52			
X12										1.95			
MULTIPLE R	.19	.20	.20	.27	.34	.36	.37	.37	.37	.39			.35
MULTIPLE R^2	.04	.04	.04	.07	.12	.13	..13	.14	.14	.15			.12
CHANGE IN R^2 (ΔR^2)	--	.00	.00	.03	.05	.01	.00	.01	.00	.01			--
F	86.78	48.15	32.27	46.01	60.63	56.53	50.14	36.00	32.71	17.83			81.63
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			.000

The same pattern was observed for the "highest occupation in household," showing no relationship to math scores for Blacks but a positive relationship for Whites. Like "mother's education," it was positively related to both Black and White children's performance on the WRAT total and reading subtests.

The "female head of household" dummy variable was not entered because after SES and demographic variables were in the model, the F-to-enter for this variable was less than .01. This implies that coming from a female-headed household was not sufficiently related to math scores when SES and demographic were partialled out. This reduced the number of models for math scores by one.

The use of a non-English language in the home was negatively related to math performance of White children but was not significantly related for Blacks, although the small number of non-English Blacks precludes drawing strong conclusions.

As we found earlier, the "Head Start" and "Some preschool" dummies were positively related to math performance for Black children, though the "number of months of preschool" was of no use. For Whites, "Some preschool" was positively related to performance. The "don't know" preschool variable was not related to Black or White children's performance; it had not shown significant relationships to test scores. "Number of months of preschool" was not significantly related to math schores.

Details of how the various independent variables were related to math performance are presented in Figure 3-1. The parsimonious models for Blacks and Whites were again quite different. Variables are listed below in order of stepwise entry:

Black Children	White Children
Age	Mother's Education
Some Preschool	Age
Sex	Highest Occupation in Household
Head Start	Income in Thousands of Dollars

It is interesting to note that age at entry frequently shows up as a useful predictor of entry level performance. Preschool experience is also important for predicting Black performance, while traditional SES variables will predict White performance.

Black/White Results on the WRAT Spelling Subtest

Unstandardized regression results on the WRAT Spelling subtest for Black and White children appear in Tables 3-7 and 3-8, respectively. The corresponding standardized regression results appear in Tables NFT 3-7 and NFT 3-8, respectively, in the Appendix.

Once again, some patterns of interest will be highlighted before we look at actual directions of relationships. These patterns concern: the preschool indicators.

The preschool indicators showed a new pattern: only the "some preschool" dummy was related to White children's performance, and only in the most complex model where it was negatively related to performance. "Number of months of preschool" was not related to Black or White scores.

The relationships of independent variables to spelling scores are summarized in Figure 3-1.

The parsimonious models showed variables entering stepwise in the orders listed below:

Black Children	White Children
Age	Age
Sex	Highest Occupation in Household
Some Preschool	Sex
	Mother's Education
	Income in Thousands

Total Sample Results

In addition to the separate analyses performed for Blacks and Whites, similar analyses were performed using the Total sample, with all ethnic groups combined. The only other difference between the combined and the separate analyses is that in the combined analyses, a set of contrast-coded language/ethnicity indicators replace the single "non-English language used at home" dummy variable, as discussed earlier in this report.

Unstandardized regression results for the Total WRAT, and WRAT reading, math, and spelling subtest scores appear in Tables 3-9, 3-10,

Table 3-7

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	-4.27	-5.07	-5.31	-5.91	-6.92	-7.86	-8.06	-8.06	-8.36	-8.34	-8.92		-5.76
AGE	.75	77	.78	.79	.79	.80	.80	.80	.80	.80	.87		.77 (3
SEX		1.08	1.07	1.08	1.09	1.09	1.09	1.09	1.07	1.07	1.08		1.06 (3
MISSINGNESS OF DATA			.06	.06	.06	.06	.06	.06	.17	.18	.12		
INCOME IN THOUSANDS OF DOLLARS				.11	.10	.10	.09	.09	.09	.09	.08		.10 (4
MOTHER'S EDUCATION					.09	.08	.08	.08	.07	.06	.05		
HIGHEST OCCUPATION IN HOUSEHOLD						.08	.08	.08	.07	.07	.06		
FEMALE HEADS OF HOUSEHOLD							.15	.15	.15	.16	.20		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-.10	-.15	-.15	.20		
PRESCHOOL INDICATORS													
Head Start									.57	.34	.43		
Some Preschool									.97	.82	.79		.73 (3
Don't Know									-.01	-.12	-.04		
Number of Months of Preschool										.02	.02		
REGION/CITYSIZE CONTRASTS													
X1											1.73		
X2											.74		
X3											-1.05		
X4											-1.93		
X5											1.12		
X6											-.27		
X7											.53		
X8											3.89		
X9											-1.02		
X10											•		
X11											.30		
X12											-2.47		
MULTIPLE R	.15	.22	.22	.23	.24	.25	.25	.25	.27	.27	.33		.23
MULTIPLE R^2	.02	.05	.05	.06	.06	.06	.06	.06	.07	.07	.11		.06
CHANGE IN R^2 (ΔR^2)	-	.03	.00	.01	.00	.00	.00	.00	.01	.00	.04		-
F	53.33	55.55	37.50	32.80	27.23	23.92	20.[illegible]	18.08	15.71	14.73	11.68		43.95
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-8

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	-8.93	-9.90	-9.46	-11.23	-13.92	-16.01	-16.20	-16.41	-16.08	-16.09	-14.29		-16.45
AGE	1.41	1.44	1.42	1.41	1.41	1.38	1.38	1.39	1.38	1.38	1.25		1.41 (1)
SEX		1.29	1.29	1.31	1.31	1.29	1.30	1.30	1.31	1.31	1.32		1.30 (3)
MISSINGNESS OF DATA			-.21	-.20	-.20	-.20	-.20	-.20	-.06	-.06	-.11		
INCOME IN THOUSANDS OF DOLLARS				.26	.20	.16	.16	.15	.15	.15	.13		.16 (5)
MOTHER'S EDUCATION					.25	.18	.18	.20	.18	.18	.18		.18 (4)
HIGHEST OCCUPATION IN HOUSEHOLD						.23	.23	.23	.22	.22	.20		.23 (2)
FEMALE HEADS OF HOUSEHOLD							.13	.11	.12	.13	.07		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								.94	.88	.88	.76		
PRESCHOOL INDICATORS													
Head Start									-.33	-.39	-.76		
Some Preschool									.47	.43	.35		
Don't Know									-.51	-.53	-.26		
Number of Months of Preschool										.01	.01		
REGION/CITYSIZE CONTRASTS													
X1											.69		
X2											.62		
X3											-.45		
X4											.74		
X5											-7.69		
X6											-.65		
X7											2.87		
X8											.89		
X9											-2.00		
X10											2.07		
X11											-.98		
X12											-1.82		
MULTIPLE R	.25	.29	.30	.34	.36	.38	.38	.38	.38	.38	.42		.37
MULTIPLE R^2	.06	.08	.09	.11	.13	.14	.14	.14	.15	.15	.18		.14
CHANGE IN R^2 (ΔR^2)	-	.02	.01	.02	.02	.01	.00	.00	.01	.00	.03		-
F	153.36	104.77	73.21	72.53	69.15	63.69	54.61	48.16	35.85	32.87	20.67		74.20
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-9

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	- 6.41	- 8.44	- 7.20	-11.20	-17.91	-25.74	-26.93	-19.70	-20.60	-20.68	-23.65		-26.80
AGE	3.23	3.29	3.21	3.16	3.18	3.13	3.12	2.79	2.78	2.78	3.05		3.17 (1)
SEX		2.88	2.89	2.94	2.97	2.97	2.98	2.99	2.98	2.97	3.00		2.95 (5)
MISSINGNESS OF DATA			- .32	- .30	- .29	- .29	- .29	.08	.54	.55	.25		
INCOME IN THOUSANDS OF DOLLARS				.75	.65	.54	.50	.41	.42	.42	.36		.55 (3)
MOTHER'S EDUCATION					.61	.48	.49	.45	.41	.41	.39		.45 (6)
HIGHEST OCCUPATION IN HOUSEHOLD						.73	.71	.60	.57	.57	.56		.71 (2)
FEMALE HEADS OF HOUSEHOLD							- 1.02	- .23	- .35	- .37	- .65		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								- .20	- .03	- .04	.12		
English Speaking: Others vs. Non-English Speaking: Others								.78	.80	.80	1.80		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.41	.41	.46	1.13		
English Speaking: Blacks vs. Whites								- 4.82	- 5.53	- 5.58	- 6.14		
PRESCHOOL INDICATORS													
Head Start									2.33	1.59	1.70		1.10 (7)
Some Preschool									4.65	4.17	3.87		3.71 (4)
Don't Know									- .10	- .41	- .15		
Number of Months of Preschool										.08	.06		
REGION/CITYSIZE CONTRASTS													
X1											7.52		
X2											2.89		
X3											- .77		
X4											- 5.29		
X5											- 2.82		
X6											-10.88		
X7											- 2.58		
X8											10.19		
X9											- 2.27		
X10											12.74		
X11											- 1.88		
X12											- 7.46		
MULTIPLE R	.19	.22	.22	.28	.31	.33	.33	.36	.39	.39	.43		.34
MULTIPLE R^2	.03	.05	.05	.08	.09	.11	.11	.13	.15	.15	.19		.12
CHANGE IN R^2 (sR^2)	-	.02	.00	.03	.01	.02	.00	.02	.02	.00	.04		-
F	186.97	127.88	87.55	107.33	107.58	104.90	90.99	72.27	65.63	61.77	44.61		100.31
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-10

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	5.10	4.39	4.35	2.59	- 1.01	- 4.65	- 5.03	- 2.95	- 3.37	- 3.41	- 6.01		- 3.72
AGE	.80	.82	.82	.80	.81	.78	.78	.69	.69	.69	.91		.74 (5)
SEX		1.00	1.00	1.03	1.04	1.04	1.04	1.04	1.03	1.03	1.04		
MISSINGNESS OF DATA			.01	.02	.02	.02	.02	.14	.37	.38	.17		
INCOME IN THOUSANDS OF DOLLARS				.33	.28	.23	.21	.18	.18	.18	.15		.23 (4)
MOTHER'S EDUCATION					.33	.27	.27	.24	.22	.22	.21		.25 (2)
HIGHEST OCCUPATION IN HOUSEHOLD						.34	.33	.30	.28	.28	.28		.33 (1)
FEMALE HEADS OF HOUSEHOLD							- .32	- .09	- .15	- .16	- .34		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								- .37	- .29	- .29	.01		
English Speaking: Others vs. Non-English Speaking: Others								.22	.34	.23	.76		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.80	.80	.82	1.26		
English Speaking: Blacks vs. Whites								- 1.64	- 1.98	- 2.01	- 2.43		
PRESCHOOL INDICATORS													
Head Start									1.07	.65	.88		.41 (6)
Some Preschool									2.33	2.06	1.90		1.83 (3)
Don't Know									- .83	- .20	- .02		
Number of Months of Preschool										.05	.03		
REGION/CITYSIZE CONTRASTS													
X1											3.92		
X2											1.15		
X3											1.43		
X4											- 3.83		
X5											- 3.02		
X6											- 5.72		
X7											- 4.04		
X8											7.39		
X9											- .07		
X10											7.56		
X11											- .61		
X12											- 3.44		
MULTIPLE R	.09	.12	.12	.19	.24	.26	.26	.28	.31	.32	.38		.27
MULTIPLE R^2	.01	.01	.01	.04	.06	.07	.07	.08	.10	.10	.14		.07
CHANGE IN R^2 (ΔR^2)	-	.00	.00	.03	.02	.01	.00	.01	.02	.00	.04		-
F	44.16	37.73	25.16	48.92	62.08	63.88	55.14	41.71	40.57	38.47	32.03		69.22
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

3-11 and 3-12, respectively. The corresponding standardized regression results appear in Tables NFT 3-9 through NFT 3-12, respectively, of the Appendix. Since the results were essentially similar to those obtained in the separate analyses discussed in the previous section, they will not be discussed in detail, but are summarized in Figure 3-2. As in Figure 3 -1, starred entries (*) indicate variables retained in the parsimonious models.

Several important general results emerged from these analyses:

- Demographic variables such as "age at entry" and being of the female sex showed strong positive relationships to test performance.
- The standard socioeconomic status indicators (income, mother's education, and occupational status) were also positively related to performance.
- Preschool experience, whether Head Start or some other preschool program, was positively related to performance.
- Ethnicity was related to performance at statistically significant levels, but differences were generally far below levels established above as criteria for substantive significance. The only exception occurred in the analysis of WRAT Spelling subtest scores where statistical and substantive significance were achieved.

Table 3-11

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	- 2.57	- 3.11	- 2.72	- 3.78	- 5.92	- 7.96	- 8.05	- 6.59	- 6.93	- 6.94	- 7.16		- 7.78
AGE	1.15	1.16	1.14	1.12	1.13	1.12	1.12	1.05	1.05	1.05	1.07		1.11 (1)
SEX		.77	.77	.78	.79	.79	.79	.78	.78	.78	.79		
MISSINGNESS OF DATA			- .10	- .10	- .09	- .09	- .09	- .02	.13	.13	.09		
INCOME IN THOUSANDS OF DOLLARS				.20	.17	.14	.14	.11	.12	.12	.11		.14 (5)
MOTHER'S EDUCATION					.19	.16	.16	.14	.12	.12	.12		.15 (2)
HIGHEST OCCUPATION IN HOUSEHOLD						.19	.19	.16	.15	.15	.15		.19 (3)
FEMALE HEADS OF HOUSEHOLD							- .08	+ .06	+ .02	+ .01	- .04		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								- .19	- .14	- .14	- .06		
English Speaking: Others vs. Non-English Speaking: Others								.84	.83	.83	1.11		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.72	.73	.74	.91		
English Speaking: Blacks vs. Whites								- 1.13	- 1.36	- 1.37	- 1.48		
PRESCHOOL INDICATORS													
Head Start									.93	.78	.76		.60 (6)
Some Preschool									1.41	1.32	1.27		1.17 (4)
Don't Know									.05	- .01	.04		
Number of Months of Preschool										.02	.01		
REGION/CITYSIZE CONTRASTS													
X1											1.47		
X2											.81		
X3											- 1.32		
X4											- .88		
X5											1.25		
X6											- 2.80		
X7											- .34		
X8											.29		
X9											- .27		
X10											4.94		
X11											- .65		
X12											- 2.13		
MULTIPLE R	.19	.21	.21	.24	.27	.28	.29	.31	.33	.33	.36		.29
MULTIPLE R^2	.04	.04	.04	.06	.07	.08	.08	.09	.11	.11	.13		.08
CHANGE IN R^2 (ΔR^2)	-	.00	.00	.02	.01	.01	.00	.01	.02	.00	.02		-
F	190.84	114.97	78.46	82.02	82.87	77.03	66.06	49.74	45.41	42.52	28.46		79.27
p	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table 3-12

RAW REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	-8.94	-9.72	-8.83	-10.00	-10.98	-13.12	-13.85	-10.16	-10.30	-10.32	-10.49		-9.89
AGE	1.29	1.31	1.26	1.24	1.24	1.23	1.22	1.04	1.04	1.05	1.07		1.05 (2)
SEX		1.11	1.12	1.13	1.14	1.14	1.14	1.17	1.16	1.16	1.17		1.16 (3)
MISSINGNESS OF DATA			-.23	-.22	-.22	-.22	-.22	-.07	.04	.05	-.01		
INCOME IN THOUSANDS OF DOLLARS				.22	.21	.18	.15	.12	.12	.12	.11		.12 (4)
MOTHER'S EDUCATION					.09	.05	.06	.08	.07	.07	.06		.07 (8)
HIGHEST OCCUPATION IN HOUSEHOLD						.20	.19	.15	.14	.14	.13		.14 (7)
FEMALE HEADS OF HOUSEHOLD							-.62	-.20	-.22	-.22	-.26		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								.36	.39	.39	.17		.40 (9)
English Speaking: Others vs. Non-English Speaking: Others								-.28	-.26	-.26	-.06		-.26 (10)
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								-1.10	-1.12	-1.10	-1.03		-1.13 (6)
English Speaking: Blacks vs. Whites								-2.05	-2.19	-2.20	-2.23		-2.17 (1)
PRESCHOOL INDICATORS													
Head Start									.33	.16	.05		
Some Preschool									.90	.79	.79		.84 (5)
Don't Know									-.13	-.20	-.16		
Number of Months of Preschool										.02	.02		
REGION/CITYSIZE CONTRASTS													
X1											2.13		
X2											1.23		
X3											-.88		
X4											-.77		
X5											-1.05		
X6											-2.35		
X7											1.80		
X8											2.52		
X9											-1.93		
X10											.25		
X11											-.81		
X12											-1.89		
MULTIPLE R	.23	.27	.28	.32	.32	.34	.35	.42	.42	.42	.46		.43
MULTIPLE R^2	.05	.07	.08	.10	.11	.12	.12	.17	.18	.18	.21		.18
CHANGE IN R^2 (ΔR^2)	—	.02	.01	.02	.01	.01	.00	.05	.01	.00	.03		—
F	298.85	202.55	147.52	148.20	123.23	114.23	101.94	99.54	81.88	76.72	50.67		113.66
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Figure 3-2

Direction of Significant (α .05) Relationships to WRAT Scores for All NFT Children Combined

	Total WRAT	WRAT Reading	WRAT Math	WRAT Spelling
Age	+*	+*	+*	+*
Sex (Female)	+*	+	+	+*
Missingness of Data	-		-	-
Income in Thousands	+*	+*	+*	+*
Mother's Education	+*	+*	+*	+*
Highest Occupation in Household	+*	+*	+*	+*
Female Head of Household	-			-
Language/Ethnicity Contrasts***				
Non-English: Black/White vs. English & Non-English: Others				**
English: Others vs. Non-English: Others				**
English & Non-English: Others vs. English: Black/White		-	-	-*
English: Blacks vs. Whites	-	-	-	-*
Preschool Indicators: Head Start	+*	+*	+*	+
Some Preschool	+*	+*	+	+*
Don't Know Preschool				
Number of Months of Preschool	+			
Region/City Size Contrasts				

*Indicates the predictor was retained in the parsimonious model for this WRAT test score.

**Indicates the variable was retained for the parsimonious model because it is part of a set of contrast-coded variables.

***In the case of language/ethnicity contrasts, the sign (+ or -) entered refers to the effect of being in the first group named by the contrast -- i.e., the group named before the "vs."

68

CHAPTER FOUR

LONGITUDINAL PATTERN SUBSTUDY

Introduction

In this substudy we describe how various background characteristics of NFT children relate to differences in their longitudinal patterns of educational achievement. For example, both conventional wisdom and psychometric research indicate that boys mature more slowly than girls and girls may thus have an initial academic advantage at kindergarten. How long does this advantage last? What other background characteristics ameliorite or intensify it?

As a second example, consider the relationship between age at which the children enter school and their patterns of academic achievement. Given equal achievement levels at entry to school, will older children outperform their younger classmates in taking advantage of learning opportunities? Are there particular content areas in which this pattern seems to be more operative than in others?

In order to answer such questions it is necessary to monitor across time the changes in student achievement in different content areas. For a given content area, the dependent variable is no longer a single unidemensional score. Instead we are interested in the pattern of change across several time points. Our approach to this complex dependent variable has been taxonomic in orientation. That is, we have attempted to define a meaningful, representative set of longitudinal patterns into which students can be uniquely classified on the basis of their observed pattern of educational attainment. For example, we wanted to distinguish between those students who started high and dropped in relative position continually and those students who started low and rose in relative position steadily. Both students could easily be cited as having different longitudinal patterns of achievement. Having specified eighteen such patterns, we then classified each NFT student as belonging to that pattern type which was most similar to his individual pattern. Thus, for a given content area, the dependent variable is a nominal variable with eighteen categories. Each category represents a qualitatively different pattern of educational achievement in a particular content area.

The analysis compares the relative frequency distributions of various subgroups of students across these profile types. Discriminant function analysis was also used for describing the relationship between student background characteristics and longitudinal pattern type. A more detailed discussion of the problems under consideration, the methods used, and the limitations of the study follows.

Construction of the Dependent Variable

The Cohort III-K NFT children were tested at entry and each spring from kindergarten through third grade. Ideally, we would have liked to construct a longitudinal profile of achievement in two content areas for each student based on his/her scores at all five points in time. This was not possible, however, since complete data across all five test points was available for only an unworkably small fraction of NFT students in the sample. For this reason we constructed profiles from tests taken at only three points in time: Fall kindergarten, Spring first grade, and Spring third grade. A total of approximately 1262 NFT students had test scores on reading and math at these three time points.

Given the three longitudinally connected test scores for each of 1262 students in each of two content areas as the basic data grid representing our dependent variable(s), we began by converting all observed scores to percentile equivalents using the overall distribution of raw scores of the longitudinal NFT sample as the reference standard. This internal norming of the raw scores yielded a common metric which we used to identify changes in the relative position of a student vis-a-vis his peers. This norming was necessary since the raw scores were not couched in a common metric and hence differneces between them did not yield easily interpretable indicators of the dynamics of a student's pattern of educational achievement. We restricted ourselves to the study of changes in relative position rather than growth with respect to to some external norm such as a grade equivalence transformation might have provided because we did not have grade-equivalent conversion tables for the Fall Kindergarten WRAT reading and math subtests which were comparable with grade-equivalent scores offered for the MAT tests applied in the Spring of the first and third grades.

Our second step was to stratify all students into high, moderate, and low categories on the basis of their entering WRAT score for each of two content areas. Each category contained approximately one-third of the total sample. The low entry category for reading included all students with a raw Fall Kindergarten WRAT reading score equal to or below 10 while the low entry category for match included all students with a Fall Kindergarten total math score equal to or below 8. The high entry category for reading included all students whose fall kindergarten WRAT reading score equal to or above 17, while the high entry category for mathematics included all students with a Fall Kindergarten WRAT mathematics score equal to or above 13. The moderate entry groups for reading and mathematics include all students whose fall kindergarten mathematics or reading scores fall between the relevant cutting points cited above. Next we computed changes in relative position from kindergarten to first grade and from first grade to third grade for each student by taking straight differences between their relevant percentile scores. We then plotted the bivariate distribution of change scores over the first interval by those over the second interval for the high, moderate, and low entry level groups separately.

Each point in these plots represents a single student's change pattern. Examination of the plots was undertaken with the goal in mind of partioning the two-dimensional surface into meanginful segments. After careful inspection, segmentation of each two dimensional array into six partitions was decided upon. The six mutually exclusive groups were defined as follows (see Figure 4-1):

1 - Students who dropped in relative position in both time intervals.

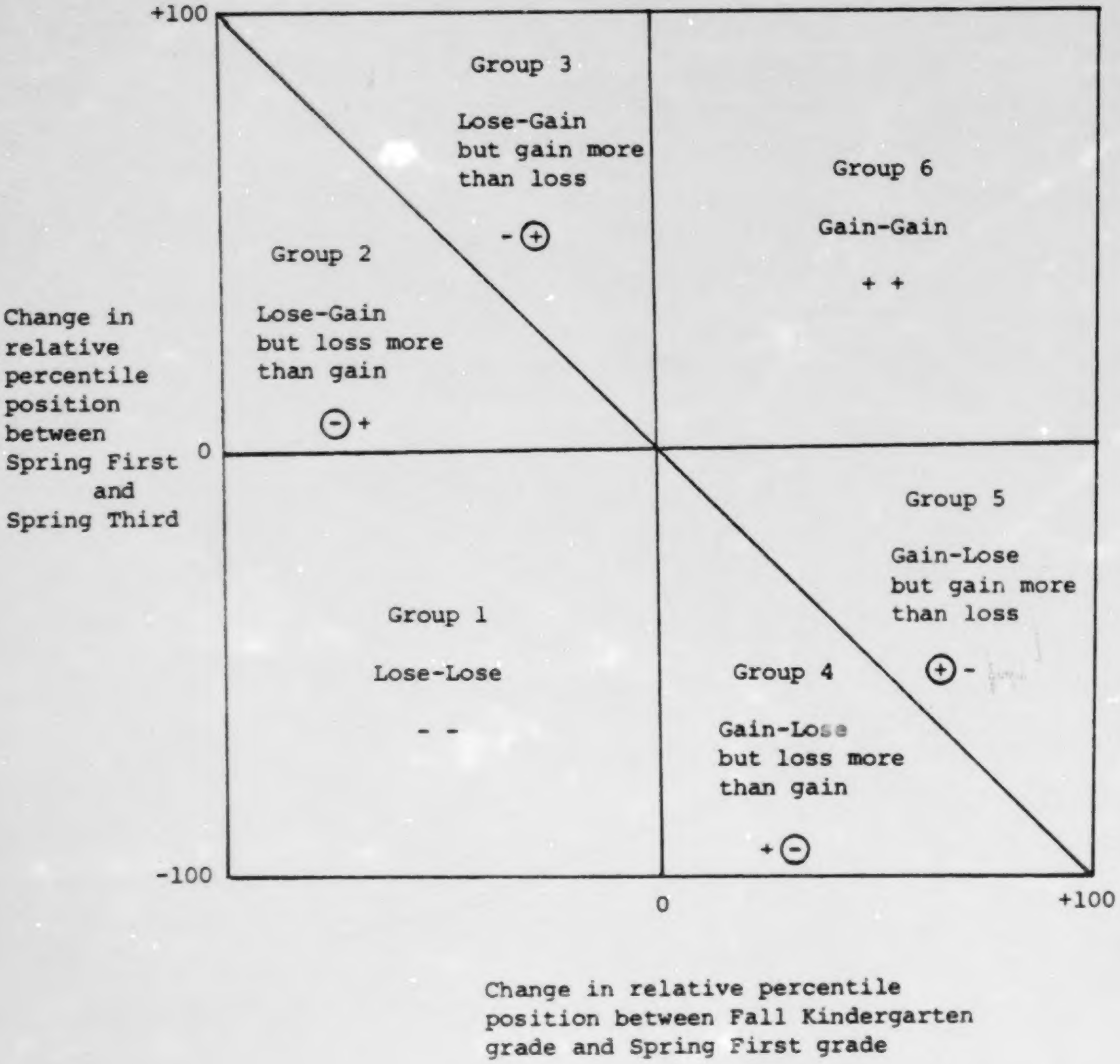
2 - Students who dropped in relative position in the K/1 interval and gained in the 1/3 interval, but failed to gain as much back as they had earlier lost. (net loss)

3 - Students who dropped in relative position in the K/1 interval and gained in the 1/3 interval and whose later gain was greater than their earlier loss. (net gain)

4 - Students who gained in relative position in the K/1 interval and dropped in the 1/3 interval and whose later drop was greater than their earlier gain. (net loss)

Figure 4-1

PARTITIONING OF STUDENT CHANGE PATTERNS


+100
0
-100
0
+100
Group 3
Lose-Gain
but gain more
than loss
- ⊕
Group 6
Gain-Gain
+ +
Group 2
Lose-Gain
but loss more
than gain
⊖ +
Change in
relative
percentile
position
between
Spring First
and
Spring Third
Group 5
Gain-Lose
but gain more
than loss
⊕ -
Group 1
Lose-Lose
- -
Group 4
Gain-Lose
but loss more
than gain
+ ⊖
Change in relative percentile
position between Fall Kindergarten
grade and Spring First grade

5 - Students who gained in relative position in the K/1 interval and dropped in the 1/3 interval, but whose earlier gain was greater than their later drop. (net gain)

6 - Students who gained in relative position during both intervals.

Analysis

The primary focus of our analysis is a description of the relationship between a student's status on a variety of background variables and their classification in the longitudinal typology. Variables used in the longitudinal study were chosen to maximize comparability with the set of variables used as covariates in prior Follow Through analyses. The background variables examined included the following:

Sex
Ethnic Age
Ethnicity
Preschool/Head Start Experience
Family Income
Highest Occupation in Household
Mother's Education
Father's Education
Family Status (Mother and Father, Mother only, other)
Number in Household

The analysis of the relationship between background characteristics and longitudinal profiles proceeded in two stages: contingency table analysis and a discriminant function analysis.

Contingency Table Analysis

For purposes of the contingency table anlaysis, all continuous variables were divded into a limited number of categories to reflect either a median split or a quartile split. For example, mother's education, which consists of eight categories, was dichotomized: high school complete and less than high school complete. Income, on the other hand, was divided into approximate quartiles: $1500-4199, $4200-6799, $6800-9799, $9800-9999+.

For each variable a contingency table was created cross-classifying the longitudinal typology with the background variables. Chi-Square, Cramer's V, and the Contingency Coefficient were computed and used to test the statistical relationship between the two variables. When there was an indication of a significant relationship, the difference in proportions within individual rows of the table were examined to determine the substantive sources for non-independence. The reader should note that no meaningful inferences can be made by comparing differences in the proportion within column since the distribution of the NFT students across the longitudinal pattern categories is uneven because of the method we used for creating the typologies. Since the goal of the analysis is to find significant differences among groups, the appropriate comparisons to make are the differences among proportions for the different types of children; that is, comparisons of proportions within each row.

Results

Figure 4-2 lists background variables which exhibit significant relationships with each typology (Reading and Math) at three entry levels (high, moderate, and low). As can be seen in this figure and in Tables 4-1 through 4-6, background variables are differentially related to the longitudinal typologies for low, moderate, and high entry level groups.

Note that ethnicity is the only variable which exhibits a significant relationship to the longitudinal typology at all three levels of entry performance. For the low entry group, sex and ethnicity are the only pupil characteristic variables with which a significant relationship exists for reading; ethnicity is the only pupil variable which is significantly related to math performance. Among family background variables, father's education is the only SES variable which is significantly related to the longitudinal performance of students with low entry level performance in this case in math.

The negligible number of significant relationships exhibited for the low entry groups is in contrast to the relatively large number of significant relationships prevalent for the moderate and high entry level groups. In contrast to the low entry groups, both ethnicity and the standard socioeconomic indicators (occupation, family composition, etc.) tend to be related to the longitudinal patterns of performance for students of moderate and high entry level performance. These findings are consistent for both reading and math.

Pupil Characteristics

Ethnicity is the only variable which is significantly related to achievement profiles across each of the three entry level groups. For each group there are consistent differences between Black and White pupils. For

Figure 4-2

VARIABLES FOR WHICH A SIGNIFICANT CHI SQUARE RELATIONSHIP WAS FOUND FOR THE READING AND MATH TYPOLOGY

READING TYPOLOGY

Low Entry	Medium Entry	High Entry
Sex		
	Family Composition	Family Composition
	Occupation	Occupation
Ethnicity	Ethnicity	Ethnicity
	Number in household	
		Income

MATH TYPOLOGY

Low Entry	Medium Entry	High Entry
Ethnicity	Ethnicity	Ethnicity
	Family Composition	Family Composition
	Occupation	Occupation
		Income
Father's Education		Father's Education
		Mother's Education
		Age
		Preschool Experience

Table 4-1

ETHNICITY BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	White	Black	Other
L - -			
Number	8	40	12
Percent	5.8	17.4	14.8
L ⊖ +			
Number	1	20	7
Percent	.7	8.7	8.6
L - ⊕			
Number	17	30	9
Percent	12.4	13.0	11.1
L + ⊖			
Number	15	35	13
Percent	10.9	15.2	16.0
L ⊕ -			
Number	54	64	17
Percent	39.4	27.8	21.0
L + +			
Number	42	41	23
Percent	30.7	17.8	28.4
TOTAL			
Number	137	230	81
Percent	30.6	51.3	18.1

Raw Chi Square = 33.37920
Degrees of Freedom = 10
Significance = .0002
Cramer's V = .19301
Contingency Coefficient = .26333

* This Table is based on 448 children for whom there is ethnic data available.

Table 4-2

ETHNICITY BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	White	Black	Other
M - -			
Number	16	46	10
Percent	9.8	25.6	18.9
M ⊖ +			
Number	18	45	13
Percent	11.0	25.0	24.5
M - ⊕			
Number	19	20	10
Percent	11.7	11.1	18.9
M + ⊖			
Number	17	31	5
Percent	10.4	17.2	9.4
M ⊕ -			
Number	48	18	5
Percent	29.4	10.0	9.4
M + +			
Number	45	20	10
Percent	27.6	11.1	18.9
TOTAL			
Number	163	180	53
Percent	41.2	45.5	13.4

Raw Chi Square = 59.82794
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .27485
Contingency Coefficient = .36229

* This Table is based on 396 children for whom there is ethnic data available.

Table 4-3

ETHNICITY BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	White	Black	Other
H - -			
Number	33	65	8
Percent	15.0	39.4	25.0
H ⊖ +			
Number	38	59	15
Percent	17.3	35.8	46.9
H - ⊕			
Number	27	6	1
Percent	12.3	3.6	3.1
H + ⊖			
Number	30	18	5
Percent	13.6	10.9	15.6
H ⊕ -			
Number	20	8	1
Percent	9.1	4.8	3.1
H + +			
Number	72	9	2
Percent	32.7	5.5	6.3
TOTAL			
Number	220	165	32
Percent	52.8	39.6	7.7

Raw Chi Square = 91.37438
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .33100
Contingency Coefficient = .42396

* This Table is based on 417 children for whom there is ethnic data available.

Table 4-4

ETHNICITY BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	White	Black	Other
L - -			
Number	9	37	7
Percent	6.8	15.4	10.1
L ⊖ +			
Number	4	21	5
Percent	3.0	8.7	7.2
L - ⊕			
Number	11	45	11
Percent	8.3	18.7	15.9
L + ⊖			
Number	15	35	7
Percent	11.4	14.5	10.1
L ⊕ -			
Number	48	48	18
Percent	36.4	19.9	26.1
L + +			
Number	45	55	21
Percent	34.1	22.8	30.4
TOTAL			
Number	132	241	69
Percent	29.9	54.5	15.6

Raw Chi Square = 29.86768
Degrees of Freedom = 10
Significance = .0009
Cramer's V = .18381
Contingency Coefficient = .25159

* This Table is based on 442 children for whom there is ethnic data available.

Table 4-5

ETHNICITY BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY) .

Typology Level for Entry Children	White	Black	Other
M - -			
Number	14	36	6
Percent	10.1	21.4	10.0
M ⊖ +			
Number	23	50	14
Percent	16.5	29.8	23.3
M - ⊕			
Number	16	21	14
Percent	11.5	12.5	23.3
M + ⊖			
Number	16	25	12
Percent	11.5	14.9	20.0
M ⊕ -			
Number	27	18	8
Percent	19.4	10.7	13.3
M + +			
Number	43	18	6
Percent	30.9	10.7	10.0
TOTAL			
Number	139	168	60
Percent	37.9	45.8	16.3

Raw Chi Square = 43.89176
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .24454
Contingency Coefficient = .32683

* This Table is based on 367 children for whom there is ethnic data available.

Table 4-6

ETHNICITY BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	White	Black	Other
H - -			
Number	31	46	10
Percent	12.4	27.7	27.0
H ⊖ +			
Number	44	58	13
Percent	17.7	34.9	35.1
H - ⊕			
Number	54	16	6
Percent	21.7	9.6	16.2
H + ⊖			
Number	35	27	3
Percent	14.1	16.3	8.1
H ⊕ -			
Number	25	10	2
Percent	10.0	6.0	5.4
H + +			
Number	60	9	3
Percent	24.1	5.4	8.1
TOTAL			
Number	249	166	37
Percent	55.1	36.7	8.2

Raw Chi Square = 62.22522
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .26236
Contingency Coefficient = .34786

* This Table is based on 452 children for whom there is ethnic data available.

pupils who score low at entry in reading or in math, the L++ and L⊕- categories include a disproportionately large percentage of Whites. In other words, White pupils tend to dominate, in both reading and math the categories of pupils who either gain in performance across the kindergarten to third grade period (L++) or gain between kindergarten and first grade then drop in performance level between first and third but drop less than what they initially gained. The results *for Blacks who score low at entry* are in direct contrast. In reading, a larger percentage of Blacks in comparison to their White counterparts comprise the L-- and L⊕ categories. In math, on the other hand, Blacks represent a larger percentage of the L-⊕ category, (slow starters who then more than catch up). That is, reading level performance for Blacks displays a relatively greater tendency than for Whites to drop consistently between kindergarten and third grade (L--) or drop between kindergarten and first grade followed by a subsequent recovery between first and third grade that does not fully compensate for their initial loss (L⊕). In math, a disproportionate number of Blacks exhibit an initial drop in their performance between kindergarten and first grade which is followed by a gain between first and third grade that is greater than their initial loss (L-⊕). These findings for Black pupils suggest that they fare better in math than reading but in general are at a disadvantage relative to their White counterparts who display a relatively greater tendency to either gain consistently (L++) or to lose some of their initial performance advantage during the latter half of the kindergarten to third grade period, but to have this loss be smaller than their initial gain, (L⊕).

For the moderate and high entry level groups the relationships between performance and ethnicity are similar to those found for the low entry level group (see Tables 4-1 through 4-6).* The differences between Whites and Blacks reflect the fact that, on the average, White pupils tend to display the greatest differences when compared with Blacks in the relative frequency with which they belong to the categories of pupils who gain continually between kindergarten and third grade (M++ and H++) or gain more between kindergarten and first grade than they subsequently drop in performance between first and third (M⊕-). Blacks, on the other hand, tend to be overly represented in the categories of pupils who consistently drop in performance over the kindergarten to third grade period (M-- or H--) or who drop more between the kindergarten and first grade interval than they gain between first and third grade (MΘ+). These findings for moderate and high entry level groups are prevalent for both reading and math.

---

* The percentages reported in each Total row are row percentages in order that the reader may be aware of the proportions of the total group represented by each subgroup type. The percentages in every other row are column percents.

Table 4-7 represents the relationship of sex to the longitudinal typology for students with low entry reading performance. The largest difference between males and females occurs for categories L++ and L+Θ. These differences indicate that a disproportionately large percentage of females comprise the L++ category, while males comprise a disproportionately large percentage of the L+Θ category. In other words, females who score low at entry in reading display a greater tendency to gain, both over the kindergarten and first grade interval and again between first and third grade (L++). A disproportionate number of males, on the other hand, seem to fall in the category of students who drop in reading performance between first and third at a greater rate than then gained between kindergarten and first grade (L+Θ). Unlike reading, however, there are no significant sex differences for pupils with low math performance at entry (as can be seen in Table 4-10) or for Group 5 moderate and high in math at entry (see Tables 4-11 and 4-12).

Age at entry to school has often been considered as an important indicator of achievement outcomes. Consistent with expectations, age is significantly related to performance but only for children who score high on math at entry. As seen in Table 4-18 the largest difference between five and six year olds exists for the HΘ+ and the H++ categories. Six year olds who start high display a relatively greater tendency for five year olds to gain consistently in performance between kindergarten and third grade (H++). Younger pupils who score high at entry show a disproportionate tendency to drop in performance between kindergarten and first grade and then to gain in the first grade interval, but not gain more than they initially lost (HΘ+). The different profiles found for five year olds and six year olds suggests that older children are better prepared at entry to learn mathematics than their younger peers. The findings for five year olds, nevertheless, suggest the beginning of an advance in performance level for the younger age group during the latter half of the kindergarten to third grade period.

Preschool experience is also significantly related to math performance for children who score high at entry. In previous Follow Through analysis, this variable has been found to be important. That few relationships exist

Table 4-7

SEX BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
L - -		
Number	30	30
Percent	12.8	14.1
L ⊖ +		
Number	18	10
Percent	7.7	4.7
L - ⊕		
Number	35	21
Percent	14.9	9.9
L + ⊖		
Number	42	21
Percent	17.9	9.9
L ⊕ -		
Number	65	70
Percent	27.7	32.9
L + +		
Number	45	61
Percent	19.1	28.6
TOTAL		
Number	235	213
Percent	52.5	47.5

Raw Chi Square = 14.34022
Degrees of Freedom = 5
Significance = .0136
Cramer's V = .17891
Contingency Coefficient = .17612

* This Table is based on 448 children for whom there is sex data available.

Table 4-8

SEX BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
M - -		
Number	39	33
Percent	21.3	15.4
M ⊖ +		
Number	35	41
Percent	19.1	19.2
M - ⊕		
Number	25	25
Percent	13.7	11.7
M + ⊖		
Number	23	30
Percent	12.6	14.0
M ⊕ -		
Number	27	44
Percent	14.8	20.6
M + +		
Number	34	41
Percent	18.6	19.2
TOTAL		
Number	183	214
Percent	46.1	53.9

Raw Chi Square = 4.22709
Degrees of Freedom = 5
Significance = .5172
Cramer's V = .10319
Contingency Coefficient = .10264

* This Table is based on 397 children for whom there is sex data available.

Table 4-9

SEX BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
H - -		
Number	46	60
Percent	25.1	25.6
H ⊖ +		
Number	47	65
Percent	25.7	27.8
H - ⊕		
Number	16	18
Percent	8.7	7.7
H + ⊖		
Number	18	35
Percent	9.8	15.0
H ⊕ -		
Number	14	15
Percent	7.7	6.4
H + +		
Number	42	41
Percent	23.0	17.5
TOTAL		
Number	183	234
Percent	43.9	56.1

Raw Chi Square = 4.18410
Degrees of Freedom = 5
Significance = .5232
Cramer's V = .10017
Contingency Coefficient = .09967

* This Table is based on 417 children for whom there is sex data available.

Table 4-10

SEX BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
L - -		
Number	27	26
Percent	12.0	12.0
L ⊖ +		
Number	10	20
Percent	4.4	9.2
L - ⊕		
Number	36	31
Percent	16.0	14.3
L + ⊖		
Number	33	24
Percent	14.7	11.1
L ⊕ -		
Number	63	51
Percent	28.0	23.5
L + +		
Number	56	65
Percent	24.9	30.0
TOTAL		
Number	225	217
Percent	50.9	49.1

Raw Chi Square =	6.93644
Degrees of Freedom =	5
Significance =	.2254
Cramer's V =	.12527
Contingency Coefficient =	.12430

* This Table is based on 442 children for whom there is sex data available.

Table 4-11

SEX BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
M - -		
Number	34	23
Percent	19.1	12.1
M ⊖ +		
Number	39	48
Percent	21.9	25.3
M - ⊕		
Number	18	33
Percent	10.1	17.4
M + ⊖		
Number	25	28
Percent	14.0	14.7
M ⊕ -		
Number	29	24
Percent	16.3	12.6
M + +		
Number	33	34
Percent	18.5	17.9
TOTAL		
Number	178	190
Percent	48.4	51.6

Raw Chi Square = 7.73897
Degrees of Freedom = 5
Significance = .1712
Cramer's V = .14502
Contingency Coefficient = .14352

* This Table is based on 368 children for whom there is sex data available.

Table 4-12
SEX BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Male	Female
H - -		
Number	44	43
Percent	22.2	16.9
H ⊖ +		
Number	43	72
Percent	21.7	28.3
H - ⊕		
Number	36	40
Percent	18.2	15.7
H + ⊖		
Number	24	41
Percent	12.1	16.1
H ⊕ -		
Number	19	18
Percent	9.6	7.1
H + +		
Number	32	40
Percent	16.2	15.7
TOTAL		
Number	198	254
Percent	43.8	56.2

Raw Chi Square = 6.05198
Degrees of Freedom = 5
Significance = .3012
Cramer's V = .11571
Contingency Coefficient =.11495

* This Table is based on 452 children for whom there is sex data available.

Table 4-13

ENTRY AGE BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
L - -				
Number	33	21	6	0
Percent	15.9	11.2	13.0	0
L ⊖ +				
Number	14	11	2	1
Percent	6.8	5.9	4.3	12.5
L - ⊕				
Number	28	21	7	0
Percent	13.5	11.2	15.2	0
L + ⊖				
Number	24	32	6	1
Percent	11.6	17.1	13.0	12.5
L ⊕ -				
Number	60	59	11	5
Percent	29.0	31.6	23.9	62.5
L + +				
Number	48	43	14	1
Percent	23.2	23.0	30.4	12.5
TOTAL				
Number	207	187	46	8
Percent	46.2	41.7	10.3	1.8

Raw Chi Square = 12.45118
Degrees of Freedom = 15
Significance = .6446
Cramer's V = .09625
Contingency Coefficient = .16444

* This Table is based on 448 children for whom there is income data available.

Table 4-14

ENTRY AGE BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
M - -				
Number	30	29	12	1
Percent	21.7	15.2	20.7	10.0
M ⊖ +				
Number	27	41	7	1
Percent	19.6	21.5	12.1	10.0
M - ⊕				
Number	18	28	3	1
Percent	13.0	14.7	5.2	10.0
M + ⊖				
Number	15	29	8	1
Percent	10.9	15.2	13.8	10.0
M ⊕ -				
Number	24	31	12	4
Percent	17.4	16.2	20.7	40.0
M + +				
Number	24	33	16	2
Percent	17.4	17.3	27.6	20.0
TOTAL				
Number	138	191	58	10
Percent	34.8	48.1	14.6	2.5

Raw Chi Square = 15.50853
Degrees of Freedom = 15
Significance = .4154
Cramer's V = .11411
Contingency Coefficient = .19390

* This Table is based on 397 children for whom there is income data available.

Table 4-15

ENTRY AGE BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
H - -				
Number	40	52	12	2
Percent	27.2	27.4	16.2	33.3
H ⊖ +				
Number	41	52	16	3
Percent	27.9	27.4	21.6	50.0
H - ⊕				
Number	9	16	8	1
Percent	6.1	8.4	10.8	16.7
H + ⊖				
Number	21	24	8	0
Percent	14.3	12.6	10.8	0
H ⊕ -				
Number	7	16	6	0
Percent	4.8	8.4	8.1	0
H + +				
Number	29	30	24	0
Percent	19.7	15.8	32.4	0
TOTAL				
Number	147	190	74	6
Percent	35.3	45.6	17.7	1.4

Raw Chi Square = 19.11786
Degrees of Freedom = 15
Significance = .2084
Cramer's V = .12362
Contingency Coefficient = .20937

* This Table is based on 417 children for whom there is income data available.

Table 4-16

ENTRY AGE BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
L - -				
Number	25	19	8	1
Percent	11.9	10.4	19.5	11.1
L ⊖ +				
Number	14	13	3	0
Percent	6.7	7.1	7.3	0
L - ⊕				
Number	40	25	2	0
Percent	19.0	13.7	4.9	0
L + ⊖				
Number	28	22	5	2
Percent	13.3	12.1	12.2	22.2
L ⊕ -				
Number	53	46	12	3
Percent	25.2	25.3	29.3	33.3
L + +				
Number	50	57	11	3
Percent	23.8	31.3	26.8	33.3
TOTAL				
Number	210	182	41	9
Percent	47.5	51.2	9.3	2.0

Raw Chi Square = 12.84474
Degrees of Freedom = 15
Significance = .6143
Cramer's V = .09842
Contingency Coefficient = .16805

* This Table is based on 442 children for whom there is income data available.

Table 4-17

ENTRY AGE BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
M - -				
Number	21	26	10	0
Percent	14.5	16.0	18.5	0
M ⊖ +				
Number	33	43	9	2
Percent	22.8	26.4	16.7	33.3
M - ⊕				
Number	23	19	9	0
Percent	15.9	11.7	16.7	0
M + ⊖				
Number	17	26	7	3
Percent	11.7	16.0	13.0	50.0
M ⊕ -				
Number	25	20	7	1
Percent	17.2	12.3	13.0	16.7
M + +				
Number	26	29	12	0
Percent	17.9	17.8	22.2	0
TOTAL				
Number	145	163	54	6
Percent	39.4	44.3	14.7	1.6

Raw Chi Square = 14.77797
Degrees of Freedom = 15
Significance = .4675
Cramer's V = .11570
Contingency Coefficient = .19649

* This Table is based on 368 children for whom there is income data available.

Table 4-18

ENTRY AGE BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Five	Five and One Half	Six	Other
H - -				
Number	20	51	15	1
Percent	14.6	22.9	18.1	11.1
H ⊖ +				
Number	46	49	18	2
Percent	33.6	22.0	21.7	22.2
H - ⊕				
Number	26	33	15	2
Percent	19.0	14.8	18.1	22.2
H + ⊖				
Number	16	39	10	0
Percent	11.7	17.5	12.0	0
H ⊕ -				
Number	14	15	5	3
Percent	10.2	6.7	6.0	33.3
H + +				
Number	15	36	20	1
Percent	10.9	16.1	24.1	11.1
TOTAL				
Number	137	223	83	9
Percent	30.3	49.3	18.4	2.0

Raw Chi Square = 27.94454
Degrees of Freedom = 15
Significance = .0219
Cramer's V = .14356
Contingency Coefficient = .24130

* This Table is based on 452 children for whom there is income data available.

between the longitudinal typologies and preschool experience may mainly be due to the fact that the majority of the pupils in our sample did not attend a preschool program. In addition, there is a strong tendency for pupils who scored high at entry to have attended preschool in greater numbers than pupils from the moderate or low entry level groups. The major differences between pupils who attended Head Start and pupils who did not have preschool experience arise for categories H+O, H⊖+, H--, and H++ (see Table 4-24). Pupils with no preschool experience comprise a relatively larger percentage of the H+O and H++ categories while pupils with Head Start comprise a relatively larger percentage of the HO+ and H-- categories. It is tempting to interpret these findings as evidence of a lack of persistence of educational benefits provided from Head Start; however, the confounding by Head Start experience with SES may easily make such an interpretation spurious.

Family Background Characteristics

Contrary to expectation, socioeconomic variables do not discriminate among categories of the longitudinal typology for students with low performance at entry. Father's education is the only standard socioeconomic indicator which is related to achievement for this group, and this relationship exists for math performance only. There is no significant relationship between achievement patterns in reading and father's education for low entry level students. As can be seen in Table 4-28 , of the pupils who score low in math at entry the largest differences exist between those pupils whose fathers completed high school and those whose fathers who did not complete high school for categories L-⊕, L⊕-, and L++. Pupils whose fathers did not complete high school exhibit a pattern indicative of an accelerated rate of recovery in performance between kindergarten and third grade (L-⊕). Pupils whose fathers completed high school, on the other hand, are equally represented in the L++ and L+⊖ category; that is, some gain continually over the kindergarten to third grade period (L++) or some gain during the early interval followed by a drop in performance between first and third grade larger than the initial gain (L+⊖).

For pupils with moderate or high scores at entry, there are a number of socioeconomic status variables which discriminate significantly among performance categories. In general the findings are consistent for each typology and for each variable included in the contingency table analysis. That is, when comparing the most extreme groups, representing the most

Table 4-19

PRESCHOOL/HEAD START EXPERIENCE BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
L - -				
Number	9	7	32	12
Percent	14.3	10.3	11.8	26.1
L ⊖ +				
Number	4	7	15	2
Percent	6.3	10.3	5.5	4.3
L - ⊕				
Number	8	10	33	5
Percent	12.7	14.7	12.2	10.9
L + ⊖				
Number	7	7	38	11
Percent	11.1	10.3	14.0	23.9
L ⊕ -				
Number	21	21	87	6
Percent	33.3	30.9	32.1	13.0
L + +				
Number	14	16	66	10
Percent	22.2	23.5	24.4	21.7
TOTAL				
Number	63	68	271	46
Percent	14.1	15.2	60.5	10.3

Raw Chi Square = 18.69122
Degrees of Freedom = 15
Significance = .2281
Cramer's V = .11793
Contingency Coefficient = .20013

* This Table is based on 448 children for whom there is income data available.

Table 4-20

PRESCHOOL/HEAD START EXPERIENCE BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
M - -				
Number	17	15	28	12
Percent	25.0	15.6	15.1	25.5
M ⊖				
Number	14	20	31	11
Percent	20.6	20.8	16.7	23.4
M - ⊕				
Number	7	17	20	6
Percent	10.3	17.7	10.8	12.8
M + ⊖				
Number	10	14	23	6
Percent	14.7	14.6	12.4	12.8
M ⊕ -				
Number	12	18	38	3
Percent	17.6	18.8	20.4	6.4
M + +				
Number	8	12	46	9
Percent	11.8	12.5	24.7	19.1
TOTAL				
Number	68	96	186	47
Percent	17.1	24.2	46.9	11.8

Raw Chi Square = 20.33854
Degrees of Freedom = 15
Significance = .1593
Cramer's V = .13068
Contingency Coefficient = .22076

* This Table is based on 397 children for whom there is income data available.

Table 4-21
PRESCHOOL/HEAD START EXPERIENCE BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
H - -				
Number	12	36	45	13
Percent	24.5	26.9	24.6	25.5
H ⊖ +				
Number	15	39	43	15
Percent	30.6	29.1	23.5	29.4
H - ⊕				
Number	4	9	18	3
Percent	8.2	6.7	9.8	5.9
H + ⊖				
Number	7	12	28	6
Percent	14.3	9.0	15.3	11.8
H ⊕ -				
Number	4	8	12	5
Percent	8.2	6.0	6.6	9.8
H + +				
Number	7	30	37	9
Percent	14.3	22.4	20.2	17.6
TOTAL				
Number	49	134	183	51
Percent	11.8	32.1	43.9	12.2

Raw Chi Square = 7.71920
Degrees of Freedom = 15
Significance = .9345
Cramer's V = .07855
Contingency Coefficient = .13481

* This Table is based on 417 children for whom there is income data available.

Table 4-22

PRESCHOOL/HEAD START EXPERIENCE BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
L - -				
Number	6	9	32	6
Percent	12.0	11.7	12.2	11.5
L ⊖ +				
Number	5	6	13	6
Percent	10.0	7.8	4.9	11.5
L - ⊕				
Number	14	7	37	9
Percent	28.0	9.1	14.1	17.3
L + ⊖				
Number	2	13	33	9
Percent	4.0	16.9	12.5	17.3
L ⊕ -				
Number	8	16	80	10
Percent	16.0	20.8	30.4	19.2
L + +				
Number	15	26	68	12
Percent	30.0	33.8	25.9	23.1
TOTAL				
Number	50	77	263	52
Percent	11.3	17.4	59.5	11.8

Raw Chi Square = 23.95204
Degrees of Freedom = 15
Significance = .0659
Cramer's V = .13440
Contingency Coefficient = .22673

* This Table is based on 442 children for whom there is income data available.

Table 4-23

PRESCHOOL/HEAD START EXPERIENCE BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
M − −				
Number	13	14	23	7
Percent	18.3	15.9	13.6	17.5
M ⊖ +				
Number	22	24	32	9
Percent	31.0	27.3	18.9	22.5
M − ⊕				
Number	7	11	26	7
Percent	9.9	12.5	15.4	17.5
M + ⊖				
Number	10	9	28	6
Percent	14.1	10.2	16.6	15.0
M ⊕ −				
Number	7	10	32	4
Percent	9.9	11.4	18.9	10.0
M + +				
Number	12	20	28	7
Percent	16.9	22.7	16.6	17.5
TOTAL				
Number	71	88	169	40
Percent	19.3	23.9	45.9	10.9

Raw Chi Square = 13.65986
Degrees of Freedom = 15
Significance = .5515
Cramer's V = .11123
Contingency Coefficient = .18918

* This Table is based on 368 children for whom there is income data available.

Table 4-24

PRESCHOOL/HEAD START EXPERIENCE BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Head Start	Preschool	No Preschool	Don't Know
H – –				
Number	14	28	29	16
Percent	23.7	21.1	13.9	30.8
H ⊖ +				
Number	21	34	51	9
Percent	35.6	25.6	24.5	17.3
H – ⊕				
Number	7	18	40	11
Percent	11.9	13.5	19.2	21.2
H + ⊖				
Number	3	20	37	5
Percent	5.1	15.0	17.8	9.6
H ⊕ –				
Number	9	11	14	3
Percent	15.3	8.3	6.7	5.8
H + +				
Number	5	22	37	8
Percent	8.5	16.5	17.8	15.4
TOTAL				
Number	59	133	208	52
Percent	13.1	29.4	46.0	11.5

Raw Chi Square = 27.44465
Degrees of Freedom = 15
Significance = .0253
Cramer's V = .14227
Contingency Coefficient = .23925

* This Table is based on 452 children for whom there is income data available.

Table 4-25

FATHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
L - -		
Number	12	9
Percent	8.2	12.5
L ⊖ +		
Number	11	2
Percent	7.5	2.8
L - ⊕		
Number	16	10
Percent	10.9	13.9
L + ⊖		
Number	25	7
Percent	17.0	9.7
L ⊕ -		
Number	50	22
Percent	34.0	30.6
L + +		
Number	33	22
Percent	22.4	30.6
TOTAL		
Number	147	72
Percent	67.1	32.9

Raw Chi Square = 6.31336
Degrees of Freedom = 5
Significance = .2769
Cramer's V = .16979
Contingency Coefficient = .16739

* This Table is based on 219 children for whom there is mother's education data available.

Table 4-26

FATHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
M - -		
Number	13	11
Percent	14.8	10.5
M ⊖ +		
Number	13	12
Percent	14.8	11.4
M - ⊕		
Number	11	14
Percent	12.5	13.3
M + ⊖		
Number	10	13
Percent	11.4	12.4
M ⊕ -		
Number	24	26
Percent	27.3	24.8
M + +		
Number	17	29
Percent	19.3	27.6
TOTAL		
Number	88	105
Percent	45.6	54.4

Raw Chi Square = 2.69188
Degrees of Freedom = 5
Significance = .7474
Cramer's V = .11810
Contingency Coefficient = .11728

* This Table is based on 193 children for whom there is mother's education data available.

Table 4-27

FATHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
H - -		
Number	12	29
Percent	26.1	16.8
H ⊖ +		
Number	13	34
Percent	28.3	19.7
H - ⊕		
Number	3	20
Percent	6.5	11.6
H + ⊖		
Number	8	22
Percent	17.4	12.7
H ⊕ -		
Number	2	15
Percent	4.3	8.7
H + +		
Number	8	53
Percent	17.4	30.6
TOTAL		
Number	46	173
Percent	21.0	79.0

Raw Chi Square = 7.56330
Degrees of Freedom = 5
Significance = .1820
Cramer's V = .18584
Contingency Coefficient = .18271

* This Table is based on 219 children for whom there is mother's education data available.

Table 4-28

FATHER'S EDUCATION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
L - -		
Number	16	7
Percent	12.3	8.9
L ⊖ +		
Number	4	6
Percent	3.1	7.6
L - ⊕		
Number	22	6
Percent	16.9	7.6
L + ⊖		
Number	8	11
Percent	6.2	13.9
L ⊕ -		
Number	44	21
Percent	33.8	26.6
L + +		
Number	36	28
Percent	27.7	35.4
TOTAL		
Number	130	79
Percent	62.2	37.8

Raw Chi Square = 10.87968
Degrees of Freedom = 5
Significance = .0538
Cramer's V = .22816
Contingency Coefficient = .22244

* This Table is based on 209 children for whom there is mother's education data available.

Table 4-29

FATHER'S EDUCATION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
M - -		
Number	9	12
Percent	11.1	13.2
M ⊖ +		
Number	21	13
Percent	25.9	14.3
M - ⊕		
Number	15	12
Percent	18.5	13.2
M + ⊖		
Number	10	13
Percent	12.3	14.3
M ⊕ -		
Number	12	17
Percent	14.8	18.7
M + +		
Number	14	24
Percent	17.3	26.4
TOTAL		
Number	81	24
Percent	47.1	26.4

Raw Chi Square = 5.96799
Degrees of Freedom = 5
Significance = .3093
Cramer's V = .18627
Contingency Coefficient = .18312

* This Table is based on 172 children for whom there is mother's education data available.

Table 4-30

FATHER'S EDUCATION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
H - -		
Number	8	24
Percent	11.4	13.3
H ⊖ +		
Number	25	32
Percent	35.7	17.8
H - ⊕		
Number	14	36
Percent	20.0	20.0
H + ⊖		
Number	11	24
Percent	15.7	13.3
H ⊕ -		
Number	6	20
Percent	8.6	11.1
H + +		
Number	6	44
Percent	8.6	24.4
TOTAL		
Number	70	180
Percent	28.0	72.0

Raw Chi Square = 14.12039
Degrees of Freedom = 5
Significance = .0149
Cramer's V = .23766
Contingency Coefficient = .23122

* This Table is based on 250 children for whom there is mother's education data available.

disadvantaged and the least disadvantaged, a larger percentage of pupils from disadvantaged families constitutes--or ⊕- categories while their more advantaged peers comprise a larger percentage of the ++ or ⊕- categories. This finding will appear repeatedly in the following discussion.

For instance, highest occupation in household is significantly related to the longitudinal performance patterns of pupils with both moderate and high entry level performance. For purposes of a contingency table analysis, occupation is divided into three categories: professional/managerial, skilled, and service. Service jobs, farm labor and laborers are categorized under the "service" category. As seen in Tables 4-35 and 4-36, when one examines the differences between the most extreme groups (service and professional), a disproportionate percentage of pupils from families in which the highest occupation is "service" comprise the -- and Θ+ categories for moderate and high entry reading groups and MΘ+, M--, and HΘ+ categories in math. On the other hand, pupils whose highest family occupation is professional disproportionately constitute the M++, M⊕-, H++, and H+Θ in reading and math.

Income is another SES variable which has a long established relationship with performance measures. Contrary to expectation, income is significantly related to longitudinal performance only for children who scored high at entry (see Tables 4-39 and 4-42). In reading, pupils from families whose income is $1500-4199 comprise the HΘ+ and H-- categories to a disproportionate degree while their more advantaged peers, pupils from families whose income is greater than $9800 (a figure which is higher than the 1970 national population median income figure of $9590), tend to have a relatively larger percentage of pupils in the H++ category than their peers whose families have incomes less than $9800. In math the most economically disadvantaged group also disproportionately comprises the HΘ+ categories in contrast to the H++ category dominated by their more advantaged peers.

We elaborated above the relationship between father's education and longitudinal math performance of pupils who scored low on math at entry. Father's education is also significantly related to math performance for children who score high at entry (see Table 4-30). As with other background variables, when father's education is used to represent pupil socioeconomic status, a relatively larger proportion of the more disadvantaged pupils fall into the HΘ+ category, and his more advantaged peer, the H++

Table 4-31

HIGHEST OCCUPATION IN HOUSEHOLD BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
L - -			
Number	4	16	10
Percent	11.1	8.6	14.1
L ⊖ +			
Number	0	12	5
Percent	0	6.5	7.0
L - ⊕			
Number	10	26	5
Percent	14.1	14.1	13.9
L + ⊖			
Number	1	30	9
Percent	2.8	16.2	12.7
L ⊕ -			
Number	11	59	21
Percent	30.6	31.9	29.6
L + +			
Number	15	42	16
Percent	41.7	22.7	22.5
TOTAL			
Number	36	185	71
Percent	12.3	63.4	24.3

Raw Chi Square = 12.62284
Degrees of Freedom = 10
Significance = .2455
Cramer's V = .14702
Contingency Coefficient = .20356

* This Table is based on 292 children for whom there is occupational data available.

Table 4-32

HIGHEST OCCUPATION IN HOUSEHOLD BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
M - -			
Number	4	23	15
Percent	9.8	13.8	26.3
M ⊖ +			
Number	5	23	16
Percent	12.2	13.8	28.1
M - ⊕			
Number	3	25	7
Percent	7.3	15.0	12.3
M + ⊖			
Number	4	22	6
Percent	9.8	13.2	10.5
M ⊕ -			
Number	11	39	8
Percent	26.8	23.4	14.0
M + +			
Number	14	35	5
Percent	34.1	21.0	8.8
TOTAL			
Number	41	167	57
Percent	15.5	63.0	21.5

Raw Chi Square = 22.96110
Degrees of Freedom = 10
Significance = .0109
Cramer's V = .20814
Contingency Coefficient = .28238

* This Table is based on 265 children for whom there is occupational data available.

Table 4-33

HIGHEST OCCUPATION IN HOUSEHOLD BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
H − −			
Number	16	32	11
Percent	16.7	25.0	33.3
H ⊖ +			
Number	12	34	16
Percent	12.5	26.6	48.5
H − ⊕			
Number	14	8	3
Percent	14.6	6.3	9.1
H + ⊖			
Number	11	20	0
Percent	11.5	15.6	0
H ⊕ −			
Number	10	6	1
Percent	10.4	4.7	3.0
H + +			
Number	33	28	2
Percent	34.4	21.9	6.1
TOTAL			
Number	96	128	33
Percent	37.4	49.8	12.8

Raw Chi Square = 38.74702
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .27456
Contingency Coefficient = .36196

* This Table is based on 257 children for whom there is occupational data available.

Table 4-34

HIGHEST OCCUPATION IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
L - -			
Number	5	14	12
Percent	15.6	8.2	20.3
L ⊖ +			
Number	1	10	7
Percent	3.1	5.9	11.9
L - ⊕			
Number	1	27	8
Percent	3.1	15.9	13.6
L + ⊖			
Number	2	17	5
Percent	6.3	10.0	8.5
L ⊕ -			
Number	10	50	12
Percent	31.3	29.4	20.3
L + +			
Number	13	52	15
Percent	40.6	30.6	25.4
TOTAL			
Number	32	170	59
Percent	12.3	65.1	22.6

Raw Chi Square = 15.54325
Degrees of Freedom = 10
Significance = .1135
Cramer's V = .17256
Contingency Coefficient = .23708

* This Table is based on 261 children for whom there is occupational data available.

Table 4-35

HIGHEST OCCUPATION IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
M - -			
Number	3	25	12
Percent	7.9	16.0	20.3
M ⊖ +			
Number	4	41	20
Percent	10.5	26.3	33.9
M - ⊕			
Number	4	20	10
Percent	10.5	12.8	16.9
M + ⊖			
Number	8	13	10
Percent	21.1	8.3	16.9
M ⊕ -			
Number	7	22	3
Percent	18.4	14.1	5.1
M + +			
Number	12	35	4
Percent	31.6	22.4	6.8
TOTAL			
Number	38	156	59
Percent	15.0	61.7	23.3

Raw Chi Square = 25.51954
Degrees of Freedom = 10
Significance = .0044
Cramer's V = .22457
Contingency Coefficient = .30270

* This Table is based on 253 children for whom there is occupational data available.

Table 4-36

HIGHEST OCCUPATION IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Professional Managerial	Skilled	Service
H − −			
Number	16	23	8
Percent	15.5	14.9	18.6
H ⊖ +			
Number	10	51	22
Percent	9.7	33.1	51.2
H − ⊕			
Number	17	32	6
Percent	16.5	20.8	14.0
H + ⊖			
Number	17	19	1
Percent	16.5	12.3	2.3
H ⊕ −			
Number	15	8	3
Percent	14.6	5.2	7.0
H + +			
Number	28	21	3
Percent	27.2	13.6	7.0
TOTAL			
Number	103	154	43
Percent	34.3	51.3	14.3

Raw Chi Square = 44.67323
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .27287
Contingency Coefficient = .36001

* This Table is based on 300 children for whom there is occupational data available.

Table 4-37

INCOME BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
L - -				
Number	11	11	6	2
Percent	11.5	13.7	9.2	3.5
L ⊖ +				
Number	9	2	3	4
Percent	9.4	2.5	4.6	7.0
L - ⊕				
Number	16	14	6	6
Percent	16.7	17.5	9.2	10.5
L + ⊖				
Number	13	10	11	6
Percent	13.5	12.5	16.9	10.5
L ⊕ -				
Number	28	21	21	24
Percent	29.2	26.2	32.3	42.1
L + +				
Number	19	22	18	15
Percent	19.8	27.5	27.7	26.3
TOTAL				
Number	96	80	65	57
Percent	32.2	26.8	21.8	19.1

Raw Chi Square = 15.58163
Degrees of Freedom = 15
Significance = .4104
Cramer's V = .13202
Contingency Coefficient = .22291

* This Table is based on 298 children for whom there is income data available.

Table 4-38

INCOME BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
M - -				
Number	16	12	8	6
Percent	20.8	16.7	13.6	10.2
M ⊖ +				
Number	21	10	10	4
Percent	27.3	13.9	16.9	6.8
M - ⊕				
Number	7	9	9	10
Percent	9.1	12.5	15.3	16.9
M + ⊖				
Number	10	12	5	6
Percent	13.0	16.7	8.5	10.2
M ⊕ -				
Number	13	16	13	16
Percent	16.9	22.2	22.0	27.1
M + +				
Number	10	13	14	17
Percent	13.0	18.1	23.7	28.8
TOTAL				
Number	77	72	59	59
Percent	28.8	27.0	22.1	22.1

Raw Chi Square = 21.71090
Degrees of Freedom = 15
Significance = .1156
Cramer's V = .16464
Contingency Coefficient = .27423

* This Table is based on 267 children for whom there is income data available.

Table 4-39

INCOME BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE

(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
H - -				
Number	12	16	18	11
Percent	36.4	34.8	25.0	11.2
H ⊖ +				
Number	15	14	15	16
Percent	45.5	30.4	20.8	16.3
H - ⊕				
Number	2	4	4	15
Percent	6.1	8.7	5.6	15.3
H + ⊖				
Number	1	4	13	13
Percent	3.0	8.7	18.1	13.3
H ⊕ -				
Number	1	1	4	9
Percent	3.0	2.2	5.6	9.2
H + +				
Number	2	7	18	34
Percent	6.1	15.2	25.0	34.7
TOTAL				
Number	33	46	72	98
Percent	13.3	18.5	28.9	39.4

Raw Chi Square = 44.34274
Degrees of Freedom = 15
Significance = .0001
Cramer's V = .24364
Contingency Coefficient = .38880

* This Table is based on 249 children for whom there is income data available.

Table 4-40

INCOME BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE

(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
L - -				
Number	9	9	8	4
Percent	11.8	13.6	12.3	6.7
L ⊖ +				
Number	8	3	5	2
Percent	10.5	4.5	7.7	3.3
L - ⊕				
Number	16	10	3	9
Percent	21.1	15.2	4.6	15.0
L + ⊖				
Number	5	7	6	7
Percent	6.6	10.6	9.2	11.7
L ⊕ -				
Number	16	15	26	19
Percent	21.1	22.7	40.0	31.7
L + +				
Number	22	22	17	19
Percent	28.9	33.3	26.2	31.7
TOTAL				
Number	76	66	65	60
Percent	28.5	24.7	24.3	22.5

Raw Chi Square = 18.73797
Degrees of Freedom = 15
Significance = .2259
Cramer's V = .15295
Contingency Coefficient = .25608

* This Table is based on 267 children for whom there is income data available.

Table 4-41

INCOME BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
M - -				
Number	20	10	9	2
Percent	25.0	13.3	16.4	4.5
M ⊖ +				
Number	26	22	10	8
Percent	32.5	29.3	18.2	18.2
M - ⊕				
Number	11	10	5	7
Percent	13.7	13.3	9.1	15.9
M + ⊖				
Number	9	8	7	7
Percent	11.2	10.7	12.7	15.9
M ⊕ -				
Number	4	11	9	8
Percent	5.0	14.7	16.4	18.2
M + +				
Number	10	14	15	12
Percent	12.5	18.7	27.3	27.3
TOTAL				
Number	80	75	55	44
Percent	31.5	29.5	21.7	17.3

Raw Chi Square = 24.10293
Degrees of Freedom = 15
Significance = .0634
Cramer's V = .17785
Contingency Coefficient = .29440

* This Table is based on 254 children for whom there is income data available.

Table 4-42

INCOME BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	1500 - 4199	4200 - 6799	6800 - 9799	9800 - 9999+
H - -				
Number	13	7	9	16
Percent	26.0	12.3	11.8	14.5
H ⊖ +				
Number	21	26	22	13
Percent	42.0	45.6	28.9	11.8
H - ⊕				
Number	7	6	12	30
Percent	14.0	10.5	15.8	27.3
H + ⊖				
Number	5	9	9	13
Percent	10.0	15.8	11.8	11.8
H ⊕ -				
Number	1	2	11	11
Percent	2.0	3.5	14.5	10.0
H + +				
Number	3	7	13	27
Percent	6.0	12.3	17.1	24.5
TOTAL				
Number	50	57	76	110
Percent	17.1	19.5	25.9	37.5

Raw Chi Square = 48.48152
Degrees of Freedom = 15
Significance = .0000
Cramer's V = .23485
Contingency Coefficient = .37679

* This Table is based on 293 children for whom there is income data available.

category. That is, a disproportionate number of pupils whose fathers did not complete high school drop in performance between kindergarten and first grade but recover slightly between first and third (HΘ+); on the other hand, a disproportionate number of their peers who scored high at entry and whose fathers completed high school occur in the group of students who gain during both intervals.

Contrary to long-established assumptions regarding the relationship between mother's education and performance, mother's education is significantly related to performance only for high math scores at entry, as seen in Table 4-48 . Consistent with previous findings for father's education, when mother's education is divided into high school complete and high school incomplete, the largest differences exist for the H++ and HΘ+ categories: a much larger proportion of the pupils whose mothers have completed high school fall into the H++ category than do pupils whose mothers did not complete high school; on the other hand, a larger percentage of pupils with mothers with less than high school complete comprise the HΘ+ category.

Family composition and number in household are variables which are often used in combination as an indicator of family structure (mother and father both present, mother but not father present, large nuclear family, etc.). Findings from previous research suggest that knowledge of family structure provides information regarding the psychodynamic properties of the family as well as information regarding the availability of resources and the educational climate of the home. Family composition, like occupation, is significantly related to longitudinal performance both for pupils with moderate and high performance at entry. As can be seen in Tables 4-49 through 4-54 the largest difference between pupils from two parent families and pupils from families where the mother is the principal parent exists for categories MΘ+, MΘ-, H--, and H++ in reading and MΘ+, MΘ-, HΘ+, and H++ in math. Pupils from female-headed households have a relatively greater proportion of students in the MΘ+ category in reading and math, the H-- category in reading, and the HΘ+ category in math. In comparison, pupils from two-parent families dominate the MΘ- category in reading and math.

Number in household is significantly related to longitudinal performance only for children who score moderately at entry. Looking only at extreme household size groups (families composed of 2-4 persons vs. families

Table 4-43

MOTHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
L - -		
Number	18	14
Percent	9.8	13.2
L ⊖ +		
Number	12	4
Percent	6.5	3.8
L - ⊕		
Number	23	17
Percent	12.5	16.0
L + ⊖		
Number	30	11
Percent	16.3	10.4
L ⊕ -		
Number	57	35
Percent	31.0	33.0
L + +		
Number	44	25
Percent	23.9	23.6
TOTAL		
Number	184	106
Percent	63.4	36.6

Raw Chi Square = 4.00829
Degrees of Freedom = 5
Significance = .5482
Cramer's V = .11757
Contingency Coefficient = .11676

* This Table is based on 290 children for whom there is mother's education data available.

Table 4-44

MOTHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
M - -		
Number	22	20
Percent	17.2	14.5
M ⊖ +		
Number	25	20
Percent	19.5	14.5
M - ⊕		
Number	17	16
Percent	13.3	11.6
M + ⊖		
Number	13	20
Percent	10.2	14.5
M ⊕ -		
Number	28	30
Percent	21.9	21.7
M + +		
Number	23	32
Percent	18.0	23.2
TOTAL		
Number	128	138
Percent	48.1	51.9

Raw Chi Square = 3.33641
Degrees of Freedom = 5
Significance = .6483
Cramer's V = .11200
Contingency Coefficient = .11130

* This Table is based on 266 children for whom there is mother's education data available.

Table 4-45

MOTHER'S EDUCATION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
H − −		
Number	14	44
Percent	25.5	22.1
H ⊖ +		
Number	20	41
Percent	36.4	20.6
H − ⊕		
Number	3	21
Percent	5.5	10.6
H + ⊖		
Number	8	23
Percent	14.5	11.6
H ⊕ −		
Number	3	14
Percent	5.5	7.0
H + +		
Number	7	56
Percent	12.7	28.1
TOTAL		
Number	55	199
Percent	21.7	78.3

Raw Chi Square = 10.45663
Degrees of Freedom = 5
Significance = .0633
Cramer's V = .20290
Contingency Coefficient = .19885

* This Table is based on 254 children for whom there is mother's education data available.

Table 4-46

MOTHER'S EDUCATION BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
L - -		
Number	22	9
Percent	13.6	8.7
L ⊖ +		
Number	9	7
Percent	5.6	6.8
L - ⊕		
Number	26	11
Percent	16.0	10.7
L + ⊖		
Number	13	11
Percent	8.0	10.7
L ⊕ -		
Number	43	34
Percent	26.5	33.0
L + +		
Number	49	31
Percent	30.2	30.1
TOTAL		
Number	162	103
Percent	61.1	38.9

Raw Chi Square =	4.11967
Degrees of Freedom =	5
Significance =	.5323
Cramer's V =	.12468
Contingency Coefficient =	.12373

* This Table is based on 265 children for whom there is mother's education data available.

Table 4-47

MOTHER'S EDUCATION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
M − −		
Number	19	18
Percent	17.1	13.1
M ⊖ +		
Number	30	33
Percent	27.0	24.1
M − ⊕		
Number	13	22
Percent	11.7	16.1
M + ⊖		
Number	14	17
Percent	12.6	12.4
M ⊕ −		
Number	15	18
Percent	13.5	13.1
M + +		
Number	20	29
Percent	18.0	21.2
TOTAL		
Number	111	137
Percent	44.8	55.2

Raw Chi Square =	1.99642
Degrees of Freedom =	5
Significance =	.8496
Cramer's V =	.08972
Contingency Coefficient =	.08936

* This Table is based on 248 children for whom there is mother's education data available.

Table 4-48

MOTHER'S EDUCATION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Less than High School Complete	High School Complete
H − −		
Number	16	31
Percent	17.0	15.3
H ⊖ +		
Number	39	42
Percent	41.5	20.7
H − ⊕		
Number	14	40
Percent	14.9	19.7
H + ⊖		
Number	12	25
Percent	12.8	12.3
H ⊕ −		
Number	4	22
Percent	4.3	10.8
H + +		
Number	9	43
Percent	9.6	21.2
TOTAL		
Number	94	203
Percent	31.6	68.4

Raw Chi Square = 19.26870
Degrees of Freedom = 5
Significance = .0017
Cramer's V = .25471
Contingency Coefficient = .24683

* This Table is based on 297 children for whom there is mother's education data available.

Table 4-49

FAMILY COMPOSITION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
L - -			
Number	21	11	0
Percent	9.5	15.7	0
L ⊖ +			
Number	13	3	2
Percent	5.9	4.3	13.3
L - ⊕			
Number	27	13	2
Percent	12.2	18.6	13.3
L + ⊖			
Number	32	9	1
Percent	14.4	12.9	6.7
L ⊕ -			
Number	72	20	5
Percent	32.4	28.6	33.3
L + +			
Number	57	14	5
Percent	25.7	20.0	33.3
TOTAL			
Number	222	70	15
Percent	72.3	22.8	4.9

Raw Chi Square = 9.05431
Degrees of Freedom = 10
Significance = .5270
Cramer's V = .12143
Contingency Coefficient = .16926

* This Table is based on 307 children for whom there is family composition data available.

Table 4-50

FAMILY COMPOSITION BY READING TYPOLOGY FOR THE LONGITUDINAL COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
M - -			
Number	24	18	2
Percent	12.4	24.7	22.2
M ⊖ +			
Number	25	20	1
Percent	13.0	27.4	11.1
M - ⊕			
Number	25	8	2
Percent	13.0	11.0	22.2
M + ⊖			
Number	24	9	0
Percent	12.4	12.3	0
M ⊕ -			
Number	50	8	2
Percent	25.9	11.0	22.2
M + +			
Number	45	10	2
Percent	23.3	13.7	22.2
TOTAL			
Number	193	10	2
Percent	70.2	13.7	22.2

Raw Chi Square = 21.69207
Degrees of Freedom = 10
Significance = .0168
Cramer's V = .19860
Contingency Coefficient = .27039

* This Table is based on 275 children for whom there is family composition data available.

Table 4-51

FAMILY COMPOSITION BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
H - -			
Number	41	17	2
Percent	18.7	48.6	40.0
H ⊖ +			
Number	47	14	1
Percent	21.5	40.0	20.0
H - ⊕			
Number	23	1	1
Percent	10.5	2.9	20.0
H + ⊖			
Number	30	1	1
Percent	13.7	2.9	20.0
H ⊕ -			
Number	17	0	0
Percent	7.8	0	0
H + +			
Number	61	2	0
Percent	27.9	5.7	0
TOTAL			
Number	219	35	5
Percent	84.6	13.5	1.9

Raw Chi Square = 32.52722
Degrees of Freedom = 10
Significance = .0003
Cramer's V = .25059
Contingency Coefficient = .33403

* This Table is based on 259 children for whom there is family composition data available.

Table 4-52

FAMILY COMPOSITION BY MATH TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
L - -			
Number	23	8	1
Percent	10.9	14.5	7.7
L ⊖ +			
Number	10	6	2
Percent	4.7	10.9	15.4
L - ⊕			
Number	28	9	3
Percent	13.3	16.4	23.1
L + ⊖			
Number	19	5	1
Percent	9.0	9.1	7.7
L ⊕ -			
Number	66	11	2
Percent	31.3	20.0	15.4
L + +			
Number	65	16	4
Percent	30.8	29.1	30.8
TOTAL			
Number	211	16	4
Percent	75.6	29.1	30.8

Raw Chi Square = 8.78622
Degrees of Freedom = 10
Significance = .5525
Cramer's V = .12548
Contingency Coefficient = .17473

* This Table is based on 279 children for whom there is family composition data available.

Table 4-53

FAMILY COMPOSITION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
M - -			
Number	21	16	4
Percent	12.1	21.1	40.0
M ⊖ +			
Number	34	30	2
Percent	19.7	39.5	20.0
M - ⊕			
Number	28	7	0
Percent	16.2	9.2	0
M + ⊖			
Number	23	8	1
Percent	13.3	10.5	10.0
M ⊕ -			
Number	29	4	0
Percent	16.8	5.3	0
M + +			
Number	38	11	3
Percent	22.0	14.5	30.0
TOTAL			
Number	173	76	10
Percent	66.8	29.3	3.9

Raw Chi Square = 27.22473
Degrees of Freedom = 10
Significance = .0024
Cramer's V = .22925
Contingency Coefficient = .30841

* This Table is based on 259 children for whom there is family composition data available.

Table 4-54

FAMILY COMPOSITION BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Mother and Father	Mother Only	Father Only
H − −			
Number	32	15	1
Percent	12.8	31.9	16.7
H ⊖ +			
Number	57	24	4
Percent	22.8	51.1	66.7
H − ⊕			
Number	50	4	1
Percent	20.0	8.5	16.7
H + ⊖			
Number	35	2	0
Percent	14.0	4.3	0
H ⊕ −			
Number	26	0	0
Percent	10.4	0	0
H + +			
Number	50	2	0
Percent	20.0	4.3	0
TOTAL			
Number	250	47	6
Percent	82.5	15.5	2.0

Raw Chi Square = 42.63255
Degrees of Freedom = 10
Significance = .0000
Cramer's V = .26524
Contingency Coefficient = .35121

* This Table is based on 303 children for whom there is family composition data available.

Table 4-55

NUMBER IN HOUSEHOLD BY READING TYPOLOGY
FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE
(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
L − −				
Number	4	11	8	9
Percent	5.8	15.1	8.8	12.2
L ⊖ +				
Number	4	4	6	4
Percent	5.8	5.5	6.6	5.4
L − ⊕				
Number	8	13	17	4
Percent	11.6	17.8	18.7	5.4
L + ⊖				
Number	9	10	10	13
Percent	13.0	13.7	11.0	17.6
L ⊕ −				
Number	26	23	29	19
Percent	37.7	31.5	31.9	25.7
L + +				
Number	18	12	21	25
Percent	26.1	16.4	23.1	33.8
TOTAL				
Number	69	73	91	74
Percent	22.5	23.8	29.6	24.1

Raw Chi Square = 17.58008
Degrees of Freedom = 15
Significance = .2854
Cramer's V = .13816
Contingency Coefficient = .23273

* This Table is based on 307 children for whom there is income data available.

Table 4-56

NUMBER IN HOUSEHOLD BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
M - -				
Number	13	11	11	9
Percent	15.5	15.5	15.1	19.1
M ⊖ +				
Number	13	11	9	13
Percent	15.5	15.5	12.3	27.7
M - ⊕				
Number	9	13	8	5
Percent	10.7	18.3	11.0	10.6
M + ⊖				
Number	8	5	10	10
Percent	9.5	7.0	13.7	21.3
M ⊕ -				
Number	22	14	23	1
Percent	26.2	19.7	31.5	2.1
M + +				
Number	19	17	12	9
Percent	22.6	23.9	16.4	19.1
TOTAL				
Number	84	71	73	47
Percent	30.5	25.8	26.5	17.1

Raw Chi Square = 26.05446
Degrees of Freedom = 15
Significance = .0375
Cramer's V = .17771
Contingency Coefficient = .29418

* This Table is based on 275 children for whom there is income data available.

Table 4-57

NUMBER IN HOUSEHOLD BY READING TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
H - -				
Number	23	17	12	8
Percent	20.7	25.4	21.1	33.3
H ⊖ +				
Number	25	14	16	7
Percent	22.5	20.9	28.1	29.2
H - ⊕				
Number	9	6	7	3
Percent	8.1	9.0	12.3	12.5
H + ⊖				
Number	12	8	10	2
Percent	10.8	11.9	17.5	8.3
H ⊕ -				
Number	10	4	2	1
Percent	9.0	6.0	3.5	4.2
H + +				
Number	32	18	10	3
Percent	28.8	26.9	17.5	12.5
TOTAL				
Number	111	67	57	24
Percent	42.9	25.9	22.0	9.3

Raw Chi Square = 10.96668
Degrees of Freedom = 15
Significance = .7550
Cramer's V = .11880
Contingency Coefficient = .20155

* This Table is based on 259 children for whom there is income data available.

Table 4-58

NUMBER IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE

(LOW ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
L - -				
Number	4	10	9	9
Percent	5.0	15.2	12.5	14.8
L ⊖ +				
Number	5	2	7	4
Percent	6.3	3.0	9.7	6.6
L - ⊕				
Number	11	9	10	10
Percent	13.7	13.6	13.9	16.4
L + ⊖				
Number	9	5	7	4
Percent	11.2	7.6	9.7	6.6
L ⊕ -				
Number	21	20	24	14
Percent	26.2	30.3	33.3	23.0
L + +				
Number	30	20	15	20
Percent	37.5	30.3	20.8	32.8
TOTAL				
Number	80	20	72	61
Percent	28.7	30.3	25.8	21.9

Raw Chi Square = 13.09144
Degrees of Freedom = 15
Significance = .5952
Cramer's V = .12506
Contingency Coefficient = .21171

* This Table is based on 279 children for whom there is income data available.

Table 4-59

NUMBER IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (MODERATE ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
M - -				
Number	12	10	10	9
Percent	14.6	15.9	14.1	20.9
M ⊖ +				
Number	20	13	16	17
Percent	24.4	20.6	22.5	39.5
M - ⊕				
Number	11	9	10	5
Percent	13.4	14.3	14.1	11.6
M + ⊖				
Number	6	12	9	5
Percent	7.3	19.0	12.7	11.6
M ⊕ -				
Number	10	4	16	3
Percent	12.2	6.3	22.5	7.0
M + +				
Number	23	15	10	4
Percent	28.0	23.8	14.1	9.3
TOTAL				
Number	82	63	71	43
Percent	31.7	24.3	27.4	16.6

Raw Chi Square = 24.55734
Degrees of Freedom = 15
Significance = .0562
Cramer's V = .17778
Contingency Coefficient = .29429

* This Table is based on 259 children for whom there is income data available.

Table 4-60

NUMBER IN HOUSEHOLD BY MATH TYPOLOGY FOR THE LONGITUDINAL NFT COHORT III KINDERGARTEN SAMPLE (HIGH ENTRY LEVEL CHILDREN ONLY)

Typology Level for Entry Children	Two, Three, Four	Five	Six, Seven	Eight to Eighteen
H - -				
Number	15	15	12	6
Percent	14.7	18.3	15.4	14.6
H ⊖ +				
Number	28	21	19	17
Percent	27.5	25.6	24.4	41.5
H - ⊕				
Number	18	12	17	8
Percent	17.6	14.6	21.8	19.5
H + ⊖				
Number	11	12	11	3
Percent	10.8	14.6	14.1	7.3
H ⊕ -				
Number	7	11	6	2
Percent	6.9	13.4	7.7	4.9
H + +				
Number	23	11	13	5
Percent	22.5	13.4	16.7	12.2
TOTAL				
Number	102	82	78	41
Percent	33.7	27.1	25.7	13.5

Raw Chi Square = 12.72685
Degrees of Freedom = 15
Significance = .6234
Cramer's V = .11833
Contingency Coefficient = .20077

* This Table is based on 303 children for whom there is income data available.

greater than 8 members) pupils from smaller families have a disproportionately large percentage of the pupils in the M⊕- category while their peers from much larger families belong with greater relative frequency to the MΘ+ and M+Θ categories (see Tables 4-55 through 4-60).

Some Summary Comments on the Contingency Table Analyses

The fact that the longitudinal performance patterns of pupils with low, moderate, and high levels of performance at entry are differentially related to background variables is puzzling. As was noted earlier, the group of students low at entry showed a markedly fewer number of significant relationships between their longitudinal patterns of performance and background variables than did either the moderate or high entry level groups. For example, one finds that the more disadvantaged pupils who scored high at entry showed a tendency to dominate the HΘ+ and H-- categories; that is, categories of pupils who subsequently lost their initial performance advantage. Their peers of relatively higher socioeconomic status continued to gain over the kindergarten to third grade interval as reflected by the fact that they constitute, in much greater proportions, the H++ category. This type of finding occurs with much greater frequency for the moderate and high entry level groups that it does for the groups of pupils low at entry.

One potential explanation of this finding is the high association of entry status with SES status. Pupils who score high at entry tend to come from socioeconomically advantaged families, while pupils who score low tend to be disproportionately represented in the low end of the SES continuum The constriction of range of variation on background variables for the pupils low at entry may be able to account for the smaller numbers of statistically significant relationships between the longitudinal academic performance of these students and their background characteristics than were found for the groups of students either moderate or high at entry.

If the notion of methodological artifact does not seem to adequately explain the issue described above, then some substantive speculation is probably called for. For example, we might conclude that students who begin school with relatively low academic skills are less influenced in their pattern of academic development by the usual socioeconomic factors than students in the moderate and high entry level groups. To explain why this might be is a research question worthy of further pursuit.

Discriminant Analysis

To study more exhaustively the multivariate aspects of the relationship between background variables and longitudinal development, we applied discriminant function analysis to the longitudinal typology. The procedure of redefining categories of variables adopted for the Chi-Square Analysis was not used with the discriminant analysis. All variables in the discriminant analysis were used as continuous variables. Also, to guarantee the maximum sample size possible, all missing value codes were recoded to the mean value of the variable.

In the discriminant analysis, each group of students of a given longitudinal type was viewed as being located in the multivariate space defined by the background variables. Different types may be located at different places in the space, but it is assumed all types share a common dispersion structure in the space. In multiple discriminant analysis the types will be projected from their place in the complete background variable space into a suitable subspace. The results of this analysis are phrased in terms of:

- The number of discriminant functions retained and the relative importance of each discriminant function;
- The location of each discriminant function as a reference vector spanning a dimension of the selected subspace of the full space, expressed in terms of structure correlation coefficients which indicate the relevance of each background variable to the function in question.
- The mappings of the longitudinal types into the discriminant space in terms of the means and standard deviations of the types on the functions.

Results

The second phase of the longitudinal study was an examination of the relative power of a discriminant function analysis to discriminate categories of the typology. The eigenvalues for the first discriminant function, the canonical correlation, and Chi-Square significant level, in addition to the five highest ranked standardized coefficients, are presented for each typology and for each entry group in Tables 4-61 and 4-62. Only the first discriminant function was statistically significant for each of the entry groups. The relative magnitude of the eigenvalues and the corresponding Chi-Square significance level indicates the relative ability of the discriminant

Table 4-61

RANK ORDER OF THE FIRST FIVE STANDARDIZED COEFFICIENTS FOR THE FIRST DISCRIMINANT FUNCTION FOR THE READING TYPOLOGY

	Low Entry		Medium Entry		High Entry	
*1	Eth$_2$	.72	Eth$_2$	.59	Eth$_2$	.77
***2	Sex	.49	+Family Comp.	.32	Income	.41
3	# in Household	.19	Occupation	.29	Occupation	.27
4	Occupation	.16	Sex	.25	Family Comp.	-.18
**5	Eth$_1$	.15	# in Household	-.19	Eth$_1$	-.13
	Eigenvalue	.090	Eigenvalue	.244	Eigenvalue	.350
	Canonical Corr.	.288	Canonical Corr.	.428	Canonical Corr.	.509
	Chi Square Significance Level	.031	Chi Square Significance Level	.000	Chi Square Significance Level	.000

Table 4-62

RANK ORDER OF THE FIRST FIVE STANDARDIZED COEFFICIENTS FOR THE FIRST DISCRIMINANT FUNCTION FOR THE MATH TYPOLOGY

	Low Entry		Medium Entry		High Entry	
1	Eth$_1$	-.44	Eth$_2$	.57	Income	.51
2	PAED	-.40	Occup.	.37	Eth$_2$	.47
3	MAED	.39	Eth$_1$	-.35	Eth$_1$	-.28
4	PS	-.29	Income	.29	F Comp.$_2$	-.15
5	Eth$_2$	.28	F Comp.	-.26	MAED	.12
	Eigenvalue	.101	Eigenvalue	.159	Eigenvalue	.210
	Canonical Corr.	.302	Canonical Corr.	.370	Canonical Corr.	.416
	Chi Square Significance Level	.006	Chi Square Significance Level	.002	Chi Square Significance Level	.000

---

*Eth$_2$: 1 = White 0 = Others

**Eth$_1$: 1 = Black, 0 = Others

***Sex: 1 = Male, 2 = Female

+Family Composition: 2 = 2-parent family 1.5 = 1-parent family 1 = Other function to distinguish among the categories of the typology. Comparing the rank order of the standardized coefficients with the list of variables for which a significant Chi-Square was found (Tables 4-61 and 4-62) one readily notices a striking similarity in findings across the two analytic techniques. For example the highest ranking variables for low entry reading are ethnicity (White vs. Other) and sex; for low entry math, ethnicity (Black vs. Other) and father's education. These are the same variables which were significantly related to low entry performance in the Chi-Square analysis. Notice that ethnicity as well as SES variables are coefficients of high rank for moderate and high entry level groups.

In general, these discriminant functions seem to represent a socio-economic scale with such general trends as whites tending to have positive weights and blacks negative weights, high income households showing positive weights, households with higher occupations having higher weights, etc. The only non-SES variable that seems to play a significant role is student sex. But sex has a significant loading in only two out of the six sub-tables presented.

Table 4-63 presents the centroids of the 18 longitudinal types on the first discriminant functions for reading and math. Although there are some minor reversals in the rank order of these centroids, the results tend to corroborate the findings from the contingency table analyses that the longitudinal decliners (i.e., -- and ⊖+) tend to come from more disadvantaged backgrounds than the gainers (i.e., ++ and ⊕-). Had the discriminant function been used in isolation, in all probability there would have resulted a problem in interpreting the meaning of these findings. However, the strong corroboration of findings adds support to the Chi-Square Analysis.

Table 4-63

CENTROIDS OF LONGITUDINAL TYPOLOGY GROUPS ON FIRST DISCRIMINANT FUNCTION FOR READING AND MATHEMATICS

Reading		Math	
L--	-.28045	L--	-.37275
L⊖+	-.67534	L⊖+	-.58871
L-⊕	-.17358	L-⊕	-.22757
L+⊖	-.25061	L+⊖	-.11987
L⊕-	.18857	L⊕-	.40135
L++	.33762	L++	.14184
M--	-.48188	M--	-.42596
M⊖+	-.44532	M⊖+	-.37819
M-⊕	-.07926	M-⊕	-.06150
M+⊖	-.26547	M+⊖	-.03262
M⊕-	.65123	M⊕-	.35136
M++	.53780	M++	.64812
H--	-.54715	H--	-.32654
H⊖+	-.50692	H⊖+	-.54312
H-⊕	.65792	H-⊕	.39305
H+⊖	.13929	H+⊖	-.03712
H⊕-	.46734	H⊕-	.41243
H++	.86120	H++	.66874

CHAPTER FIVE

ATTRITION AND TRANSIENCY

ATTRITION

Attrition may be defined in different ways. We may be interested in the number of children who are still present (within testing proximity) at the end of their first four years of school. This type of information may enhance our ability to make judgments about the feasibility of installing programs and expecting children to remain within a site. Therefore, out first attrition variable, which we call exit attrition, asks whether the child was still present and identifiable in the third grade.

We may also be interested in whether a child maintained continuity of treatment (NFT) over four years and was present for testing at the end of the third grade, and if these tests were valid. We have defined this as treatment attrition. These more stringent criteria are identical in our Follow Through entry-exit analytic sample. With such criteria, attrition is higher but it may more closely approximate the likelihood of retaining a child within school-specific programs than the less stringent criteria of exit attrition which only requires that the child remain within the same site.

Having defined two different types of attrition, our next concern was to ask two questions: Does attrition differ across the country according to the region of the country or the size of community? Are there identifiable characteristics of some families which relate to children leaving?

We looked at attrition over thirteen areas (region-city size combinations) and found that, in general, fewer children in rural areas dropped out than did children in other areas. Children in the Northeast and North Central large cities and in Western small cities had a higher rate of attrition. This pattern held when we explored either exit or treatment attrition although, as expected, the percentage of treatment attrition was higher in each area. (Table 5-1 displays the percent of attrition for each area; Figures 5-1 and 5-2 display percent of attrition for each of the areas and the degree of overlap as determined by the Duncan Multiple Range Test.)

Table 5-1

PERCENT ATTRITION FOR DIFFERENT AREAS

		Attrition	
Region	City Size	Exit Attrition	Treatment Attrition
Northeast	Large	57	72
	Medium	51	69
	Small	44	56
Northcentral	Large	62	76
	Medium	52	70
	Rural	37	41
West	Large	52	75
	Medium	51	64
	Small	59	73
	Rural	29	53
South	Large	42	62
	Small	46	51
	Rural	26	35

We then turned our attention to the question of ascertaining if we could identify characteristics which might be related to attrition. We explored three types of characteristics:

- Academic background;
- Socio-economic background; and
- Mobility.

Figure 5-1

PERCENTAGE OF EXIT ATTRITION BY REGION

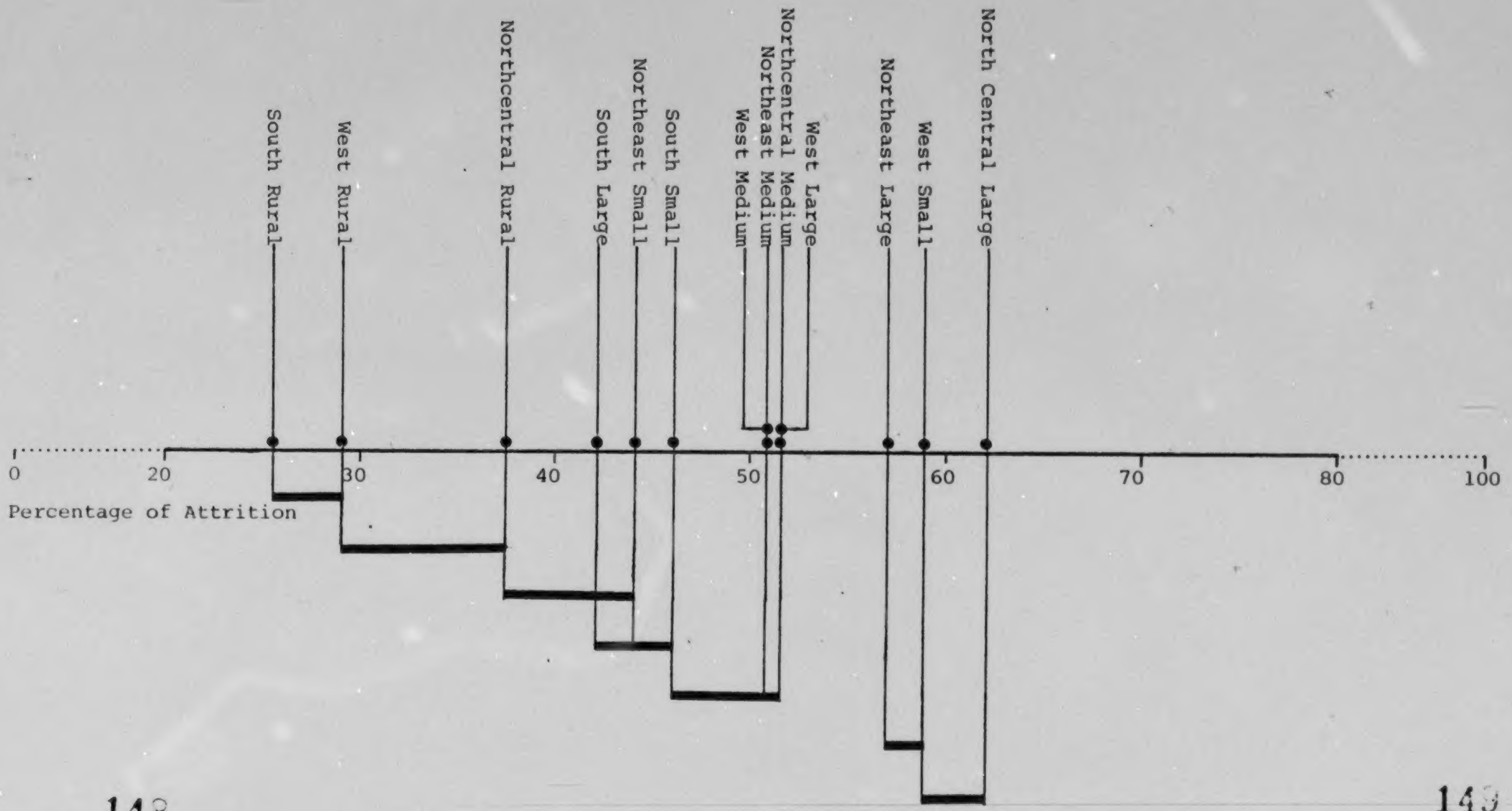
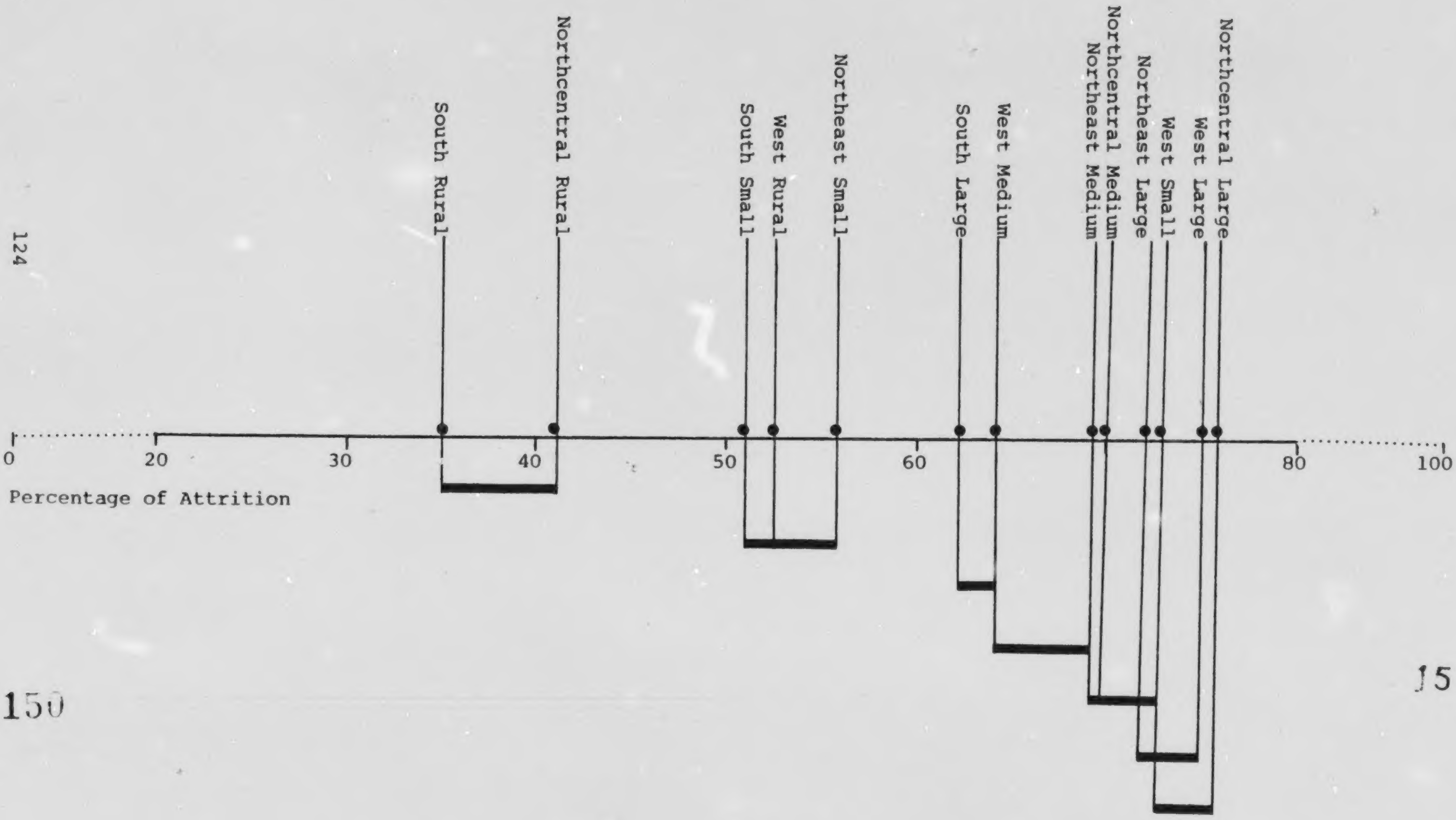


Figure 5-2

PERCENTAGE OF TREATMENT ATTRITION BY REGION



The academic background indicators included the child's preschool experience and pretest performance, and the mother's educational level. The socioeconomic indicators included family income, poverty level (above or below), whether or not the home had a female head, highest occupational status in the household, and ethnicity. The mobility indicators were number of years at the current address when the child entered kindergarten and whether or not the family owned its residence. (Table 5-2 displays the regression weights for these variables and Tables 5-3 through 5-7 present the percent of attrition for various subgroups.)

With few exceptions, these variables appear to be related to attrition. In general, if the child had attended either Head Start or some other preschool, had a lower score at entry, or if the family was below poverty, did not own its home, had lived at its current residence for a shorter period of time, or if the mother had less education or was the head of the household, the child was less likely to have been retained across the four years.

The major exceptions were noted for exit attrition. Neither the child's ethnicity, his attendance at preschool other than Head Start, the family's occupations status, nor the educational level of the mother appeared to be related to whether or not the child remained in the same geographic area across the four years.

TRANSIENCY

Non-Follow Through children were traced as they moved from one school to another within a site. This tracing of children permitted a comparison of children who remain in a school with children who move. We have made such a comparison for three time intervals: spring kindergarten to spring first grade (Mobility Group I); spring first grade to spring second grade (Mobility Group II); spring second grade to spring third grade (Mobility Group III).

For each of these time intervals we identified the sample of children for whom we had test data at the beginning and at the end of the time interval. Within each sample we then identified the children who had (or had not) changed schools between the beginning and the end of the time interval. Although the number of children in each of the three time interval samples is over one thousand, the number of children who changed schools

Table 5-2

STATISTICS FOR BACKGROUND VARIABLES WITH ATTRITION

Variable	Attrition			
	Exit Attrition		Treatment Attrition	
	b Weight*	Standard Error	b Weight*	Standard Error
Preschool				
Head Start/None	0.134	0.014	0.117	0.014
Some/None	--	--	0.042	0.013
Unknown/None	0.339	0.012	0.264	0.011
Fall Kindergarten WRAT	-0.002	0.0004	-0.003	-0.0004
Mother's Education	--	--	-0.013	0.006
Income	-0.000007	0.000002	-0.00002	0.000002
Poverty				
Below/Above	0.041	0.014	0.089	0.014
Female Head of Household				
Yes/No	0.041	0.015	0.105	0.014
Occupation	--	--	-0.010	0.003
Ethnicity				
White/Black	--	--	-0.019	0.007
White/Other	--	--	--	--
Years at Address	-0.021	0.003	-0.028	0.003
Home Ownership				
Yes/No	-0.141	0.014	-0.210	0.013

*b weights are included only if they are significant at the .05 level.

Table 5-3

ATTRITION BY HOME OWNERSHIP

		Attrition					
		Exit Attrition			Treatment Attrition		
Home Ownership		No	Yes	Total	No	Yes	Total
Yes	N	1370	795	2165	1091	1074	2165
	%	63.3	36.7	100	50.4	49.6	100
No	N	1558	1613	3171	930	2241	3171
	%	49.1	50.9	100	29.3	70.7	100
Total	N	2928	2408	5336	2021	3315	5336

Table 5-4

ATTRITION BY POVERTY

		Attrition					
		Exit Attrition			Treatment Attrition		
Poverty		No	Yes	Total	No	Yes	Total
Above	N	1758	1340	3098	1297	1801	3098
	%	56.7	43.3	100	41.9	58.1	100
Below	N	1139	1023	2162	712	1450	2162
	%	52.7	47.3	100	32.9	67.1	100
Total	N	2897	2363	5260	2009	3251	5260

Table 5-5

ATTRITION BY TYPE OF PRESCHOOL

		Attrition					
		Exit Attrition			Treatment Attrition		
Preschool		No	Yes	Total	No	Yes	Total
Head Start	N	724	816	1540	481	1059	1540
	%	47.0	53.0	100	31.2	68.8	100
Some Preschool	N	1063	721	1784	692	1092	1784
	%	59.6	40.4	100	38.8	61.2	100
None	N	2232	1460	3692	1586	2106	3692
	%	60.5	39.5	100	43.0	57.0	100
Unknown	N	795	2207	3002	496	2506	3002
	%	26.5	73.5	100	16.5	83.5	100
Total	N	4814	5204	10018	3255	6763	10018

Table 5-6

ATTRITION BY ETHNICITY

		Attrition					
		Exit Attrition			Treatment Attrition		
Ethnicity		No	Yes	Total	No	Yes	Total
White	N	1684	1772	3456	1257	2199	3456
	%	48.7	51.3	100	36.4	63.6	100
Black	N	2579	2685	5264	1632	3632	5264
	%	49.0	51.0	100	31.0	69.0	100
Other	N	541	612	1153	360	793	1153
	%	46.9	53.1	100	31.2	68.8	100
Total	N	4804	5069	9873	3249	6624	9873

Table 5-7

ATTRITION BY FEMALE HEAD OF HOUSEHOLD

Female Head of Household		Attrition					
		Exit Attrition			Treatment Attrition		
		No	Yes	Total	No	Yes	Total
Yes	N	865	797	1662	510	1152	1662
	%	52.0	48.0	100	30.7	69.3	100
No	N	2131	1667	3798	1564	2234	3798
	%	56.1	43.9	100	41.2	58.8	100
Total	N	2996	2464	5460	2074	3386	5460

is quite small. As Table 5-8 indicates, within Mobility Group I fewer than one hundred children changed schools between the spring of kindergarten and the spring of first grade; even fewer children (N = 64) in Mobility Group II changed schools between the spring of first and the spring of second grades. A somewhat larger number (N = 143) in Mobility Group III changed schools between the spring of second and the spring of third grade. Given these small numbers of children scattered across several sites, we are reluctant to generalize. We nevertheless hope to add information to other explorations of transiency.

In Table 5-8 we report means and standard deviations of the raw test scores for each of the three samples (mobility groups) at the beginning and end of the time interval. To explore differences in the academic performance of the children who changed schools and those who did not change schools, we performed regression analyses, using tests at the end of the given time interval as the dependent measures. For each time interval we performed two types of regression analysis. (See Table 5-9.) In Type A, we looked for differences in the raw dependent measure. In Type B, we looked for differences in the dependent measure, while covarying a similar test administered at the beginning of the time interval. For example, when we looked at Mobility Group II to ascertain if children who changed schools differed in reading performance from children who did not change schools, we covaried first grade reading tests, while looking for differences on the second grade reading test.

Table 5-8

TEST SCORES FOR NFT MOBILITY GROUPS

MOBILITY GROUP	GRADE/TEST	CHANGED SCHOOLS			DID NOT CHANGE SCHOOLS		
		N	Mean	Standard Deviation	N	Mean	Standard Deviation
I	KINDERGARTEN						
	Reading	96	13.83	5.79	1129	14.29	5.31
	Math	96	11.81	5.99	1129	12.88	5.94
	FIRST GRADE						
	Total Reading	96	44.42	19.00	1129	43.70	18.11
	Total Math	96	31.76	14.62	1129	31.57	13.24
II	FIRST GRADE						
	Total Reading	64	44.25	18.32	1024	44.94	17.53
	Total Math	64	32.28	13.69	1024	32.79	13.21
	SECOND GRADE						
	Total Reading	64	47.61	20.29	1024	50.83	19.63
	Total Math	64	51.75	19.30	1024	54.76	18.87
III	SECOND GRADE						
	Spelling	143	17.10	9.93	1525	19.24	9.39
	Total Reading	143	48.43	20.24	1525	52.34	19.90
	Total Math	143	50.63	18.81	1525	56.46	19.32
	THIRD GRADE						
	Spelling	143	18.94	12.82	1525	21.78	12.33
	Total Reading	143	43.29	20.35	1525	47.70	19.40
	Total Math	143	48.34	21.63	1525	52.02	21.65

Table 5-9

REGRESSION COEFFICIENTS AND ASSOCIATED STATISTICS FOR NFT MOBILITY ANALYSIS

MOBILITY GROUP	TEST	ANALYSIS	TERM	Raw Regression Coefficient[a]	Standard Error	T	R^2	Standardized Regression Coefficient
I	Total Reading	A	Effect	-0.716	1.933	-0.370	0.0001	-0.011
		B	Pretest	1.980	0.079	--	0.339	0.583
			Effect	-1.621	1.572	-1.032	0.340	-0.024
	Total Math	A	Effect	-0.191	1.419	-0.135	0.000	-0.004
		B	Pretest	1.381	0.051	--	0.378	0.616
			Effect	-1.662	1.120	-1.483	0.379	-0.033
II	Total Reading	A	Effect	3.221	2.534	1.271	0.001	0.039
		B	Pretest	0.909	0.020	--	0.660	0.812
			Effect	2.596	1.478	1.757	0.661	0.031
	Total Math	A	Effect	3.014	2.434	1.238	0.001	0.038
		B	Pretest	1.099	0.028	--	0.592	0.769
			Effect	2.454	1.554	1.579	0.593	0.031
III	Spelling	A	Effect	2.839	1.082	2.623	0.004	0.064
		B	Pretest	1.125	0.017	--	0.736	0.857
			Effect	0.432	0.558	0.774	0.736	0.010
	Total Reading	A	Effect	4.417	1.704	2.592	0.004	0.063
		B	Pretest	0.857	0.012	--	0.768	0.876
			Effect	1.068	0.823	1.297	0.768	0.015
	Total Math	A	Effect	3.687	1.893	1.947	0.002	0.048
		B	Pretest	0.943	0.015	--	0.705	0.842
			Effect	-1.814	1.032	-1.758	0.706	-0.023

---

[a] Difference in raw score units between group which changed schools and group which did not.

We observed no difference between children who changed schools and children who did not change schools either between kindergarten and first grade or between first and second grade. We found differences on two of the three tests for Mobility Group III (spring second grade to spring third grade). On the Spelling and Reading tests the children who changed schools performed less well. When the preceding year's tests were introduced as covariates, there were no observable differences between the two groups. This suggests that the difference in performance level after the school shift was associated with test performance before the school shift.

The analyses presented above used data aggregated across many sites because of the small sample size. We did, however, perform similar analyses within a few sites. We performed these within-site analyses within each mobility group on the two or three sites which had the largest sample sizes. The test means and standard deviations for these analyses are reported in Tables 5-10 (for Mobility Group I), 5-12 (for Mobility Group II), and 5-14 (for Mobility Group III). The results of the regression analyses for these groups are reported in Tables 5-11, 5-13, and 5-15 respectively. The sample sizes in these analyses are, as expected, exceedingly small, ranging from five to fifty two. Although the differences between children who changed schools and children who did not change schools were sometimes large, the standard errors were also large, and no statistically significant differences were found.

In summary, across all sites, children who change schools appear to be similar to children who do not change schools through the second grade. Differences in performance were noted between the groups analyzed in the spring second to spring third interval. No differences were found when within-site data were analyzed. The size of the sample and the spread of the samples across many sites, however, precludes generalization beyond these specific data. These conclusions may, however, serve to inform other work in the exploration of transiency.

Table 5-10

TEST SCORES FOR NFT MOBILITY GROUP I IN SELECTED SITES

SITE	GRADE/TEST	CHANGED SCHOOLS			DID NOT CHANGE SCHOOLS		
		N	Mean	Standard Deviation	N	Mean	Standard Deviation
Chicasha, OK	KINDERGARTEN						
	Reading	5	16.60	3.13	21	15.00	3.35
	Math	5	14.60	3.29	21	15.90	6.40
	FIRST GRADE						
	Total Reading	5	70.00	3.08	21	60.62	16.19
	Total Math	5	39.80	7.50	21	41.95	9.78
Lock Haven, PA	KINDERGARTEN						
	Reading	11	13.91	5.05	9	19.78	5.54
	Math	11	10.73	5.92	9	13.67	5.48
	FIRST GRADE						
	Total Reading	11	45.82	17.15	9	55.78	12.86
	Total Math	11	27.91	15.60	9	36.00	8.51
Montevideo, MN	KINDERGARTEN						
	Reading	9	18.78	4.60	40	15.95	4.59
	Math	9	17.33	7.55	40	15.93	5.46
	FIRST GRADE						
	Total Reading	9	65.78	9.02	40	57.02	16.28
	Total Math	9	50.00	6.63	40	43.48	9.50

Table 5-11

REGRESSION COEFFICIENTS AND ASSOCIATED STATISTICS FOR
NFT MOBILITY GROUP I IN SELECTED SITES

SITE	TEST	ANALYSIS	TERM	Raw Regression Coefficient[a]	Standard Error	T	R^2	Standardized Regression Coefficient
Chicasha, OK	Total Reading	A	Effect	-9.381	7.380	-1.271	0.063	-0.251
		B	Pretest	1.071	0.907	--	0.076	0.236
			Effect	-7.667	7.462	-1.027	0.117	-0.205
	Total Math	A	Effect	2.152	4.696	0.458	0.009	0.093
		B	Pretest	1.133	0.228	--	0.521	0.719
			Effect	0.675	3.344	0.202	0.522	0.029
Lock Haven, PA	Total Reading	A	Effect	9.960	6.919	1.439	0.103	0.321
		B	Pretest	2.127	0.485	--	0.574	0.799
			Effect	-2.522	5.647	-0.447	0.579	-0.081
	Total Math	A	Effect	8.091	5.815	1.391	0.097	0.312
		B	Pretest	1.104	0.478	--	0.280	0.481
			Effect	4.845	5.406	0.896	0.313	0.187
Montevideo, MN	Total Reading	A	Effect	-8.753	5.640	-1.552	0.049	-0.221
		B	Pretest	1.516	0.437	--	0.234	0.457
			Effect	-4.467	5.223	-0.855	0.246	-0.113
	Total Math	A	Effect	-6.525	3.349	-1.949	0.075	-0.273
		B	Pretest	0.894	0.186	--	0.336	0.559
			Effect	-5.266	2.773	-1.899	0.384	-0.221

[a] Difference in raw score units between group which changed schools and group which did not.

Table 5-12

TEST SCORES FOR NFT MOBILITY GROUP II IN SELECTED SITES

SITE	GRADE/TEST	CHANGED SCHOOLS			DID NOT CHANGE SCHOOLS		
		N	Mean	Standard Deviation	N	Mean	Standard Deviation
Chicasha, OK	FIRST GRADE						
	Total Reading	5	64.80	9.42	20	61.50	18.57
	Total Math	5	39.00	9.38	20	40.50	11.87
	SECOND GRADE						
	Total Reading	5	72.00	10.84	20	68.95	14.90
	Total Math	5	74.40	15.08	20	69.60	15.71
Montevideo, MN	FIRST GRADE						
	Total Reading	10	62.70	12.18	43	63.12	12.48
	Total Math	10	48.90	7.45	43	46.37	8.56
	SECOND GRADE						
	Total Reading	10	63.30	16.87	43	68.70	14.20
	Total Math	10	71.70	18.48	43	75.00	15.79

Table 5-13

REGRESSION COEFFICIENTS AND ASSOCIATED STATISTICS FOR NFT MOBILITY GROUP II IN SELECTED SITES

SITE	TEST	ANALYSIS	TERM	Raw Regression Coefficient[a]	Standard Error	T	R^2	Standardized Regression Coefficient
Chicasha, OK	Total Reading	A	Effect	-3.050	7.141	-0.427	0.008	-0.089
		B	Pretest	0.566	0.128	--	0.474	0.686
			Effect	-1.183	5.327	-0.222	0.475	-0.034
	Total Math	A	Effect	-4.800	7.799	-0.615	0.016	-0.127
		B	Pretest	1.078	0.177	--	0.605	0.787
			Effect	-6.416	4.870	-1.318	0.634	-0.170
Montevideo, MN	Total Reading	A	Effect	5.398	5.162	1.046	0.021	0.145
		B	Pretest	0.924	0.105	--	0.600	0.773
			Effect	5.013	3.258	1.539	0.618	0.135
	Total Math	A	Effect	3.300	5.721	0.577	0.006	0.081
		B	Pretest	1.529	0.170	--	0.590	0.789
			Effect	7.166	3.600	1.991	0.620	0.175

[a] Difference in raw score units between group which changed schools and group which did not.

Table 5-14

TEST SCORES FOR NFT MOBILITY GROUP III IN SELECTED SITES

SITE	GRADE/TEST	CHANGED SCHOOLS			DID NOT CHANGE SCHOOLS		
		N	Mean	Standard Deviation	N	Mean	Standard Deviation
Providence, RI	SECOND GRADE						
	Spelling	12	20.17	10.60	16	19.12	9.18
	Total Reading	12	62.08	21.70	16	49.94	19.16
	Total Math	12	62.25	24.46	16	48.06	21.48
	THIRD GRADE						
	Spelling	12	23.58	14.29	16	21.88	14.45
	Total Reading	12	57.00	24.76	16	43.62	18.15
	Total Math	12	63.33	27.92	16	47.38	25.40
Louisville, KY	SECOND GRADE						
	Spelling	7	8.43	9.13	52	8.83	7.79
	Total Reading	7	28.86	12.21	52	30.60	11.63
	Total Math	7	37.86	8.80	52	37.46	12.51
	THIRD GRADE						
	Spelling	7	10.00	11.02	52	10.23	11.35
	Total Reading	7	31.14	11.63	52	31.38	13.81
	Total Math	7	32.57	10.18	52	32.94	15.11

Table 5-15

REGRESSION COEFFICIENTS AND ASSOCIATED STATISTICS FOR NFT MOBILITY GROUP III IN SELECTED SITES

SITE	TEST	ANALYSIS	TERM	Raw Regression Coefficient[a]	Standard Error	T	R^2	Standardized Regression Coefficient
Providence, RI	Spelling	A	Effect	-1.708	5.494	-0.311	0.004	-0.061
		B	Pretest	1.398	0.089	--	0.909	0.953
			Effect	-0.252	1.699	-0.148	0.909	-0.009
	Total Reading	A	Effect	-13.375	8.095	-1.652	0.095	-0.308
		B	Pretest	0.941	0.091	--	0.826	0.896
			Effect	-1.950	3.769	-0.517	0.828	-0.045
	Total Math	A	Effect	-15.958	10.117	-1.577	0.087	-0.296
		B	Pretest	1.049	0.100	--	0.831	0.905
			Effect	-1.069	4.663	-0.229	0.831	-0.020
Louisville, KY	Spelling	A	Effect	0.231	4.556	0.051	0.000	0.007
		B	Pretest	0.994	0.136	--	0.487	0.698
			Effect	-0.165	3.293	-0.050	0.487	-0.005
	Total Reading	A	Effect	0.242	5.473	0.044	0.000	0.006
		B	Pretest	0.955	0.089	--	0.674	0.823
			Effect	-1.420	3.151	-0.451	0.675	-0.034
	Total Math	A	Effect	0.371	5.907	0.063	0.000	0.008
		B	Pretest	1.047	0.080	--	0.754	0.869
			Effect	0.785	2.954	0.266	0.754	0.018

[a] Difference in raw score units between group which changed schools and group which did not.

APPENDIX

THE NON-FOLLOW THROUGH STUDY

Table NFT 1-1

DEFINITION OF SELECTED VARIABLES USED IN COMPARISON OF NFT ENTRY LEVEL SAMPLE WITH CENSUS DATA

<table>
<tr><th>VARIABLE</th><th>DEFINITION</th></tr>
<tr><td>Percent Female Heads of Household</td><td>A household is considered to be headed by a female if the mother is present and the father is not present in the household.</td></tr>
<tr><td>Percent Below Poverty Line</td><td>The Poverty Index is based on reported family income, family size, and whether the location is urban or rural. Specifically:
Index = 10 x Income/X, where
X = X1 or X2 according to the following:
<table>
<tr><th>Number of People in Household</th><th>X1 (Rural)</th><th>X2 (Non-Rural)</th></tr>
<tr><td>2</td><td>2,100</td><td>2,600</td></tr>
<tr><td>3</td><td>2,800</td><td>3,300</td></tr>
<tr><td>4</td><td>3,400</td><td>4,000</td></tr>
<tr><td>5</td><td>4,000</td><td>4,700</td></tr>
<tr><td>Over 5</td><td>500
(Number in Household - 5)
4,000</td><td>600
(Number in Household - 5)
4,700</td></tr>
</table>
</td></tr>
</table>

Table NFT 3-1

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.1379	.1424	.1446	.1458	.1468	.1476	.1477	.1477	.1489	.1489	.1733		.1368 (2)
SEX		.1386	.1385	.1393	.1403	.1413	.1413	.1412	.1365	.1363	.1399		
MISSINGNESS OF DATA			.0190	.0198	.0206	.0212	.0210	.0206	.0916	.0926	.0517		
INCOME IN THOUSANDS OF DOLLARS				.0928	.0846	.0770	.0740	.0738	.0726	.0724	.0584		.0795 (3)
MOTHER'S EDUCATION					.0789	.0698	.0700	.0696	.0573	.0561	.0465		
HIGHEST OCCUPATION IN HOUSEHOLD						.0654	.0650	.0652	.0610	.0599	.0518		.0692 (4)
FEMALE HEADS OF HOUSEHOLD							.0142	.0147	.0147	.0154	.0213		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking							-.0100	-.0119	-.0118	-.0080			
PRESCHOOL INDICATORS													
Head Start									.1057	.0768	.0935		.0684 (5)
Some Preschool									.1722	.1528	.1487		.1455 (1)
Don't Know									.0025	-.0131	.0021		
Number of Months of Preschool										.0509	.0398		
REGION/CITYSIZE CONTRASTS													
X1											.1093		
X2											.0267		
X3											-.0360		
X4											-.0866		
X5											.0780		
X6											-.0148		
X7											.0154		
X8											.0609		
X9											.0431		
X10											*		
X11											.0181		
X12											-.1557		
MULTIPLE R	.14	.20	.20	.22	.23	.24	.24	.24	.29	.29	.37		.27
MULTIPLE R^2	.02	.04	.04	.05	.05	.06	.06	.06	.08	.09	.14		.07
CHANGE IN R^2 (sR^2)	-	.02	.00	.01	.00	.01	.00	.00	.02	.01	.05		-
F	43.61	44.64	30.03	27.79	25.29	22.79	19.59	17.17	18.56	17.43	15.67		29.61
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-2

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.1965	.2006	.2006	.1990	.1990	.1933	.1935	.1928	.1900	.1900	.1858		.1990 (2)
SEX		.1026	.1026	.1053	.1069	.1041	.1042	.1038	.1055	.1051	.1055		.1053 (5)
MISSINGNESS OF DATA			.0009	.0016	.0014	.0017	.0018	.0018	.0612	.0618	.0259		
INCOME IN THOUSANDS OF DOLLARS				.2019	.1444	.1134	.1106	.1121	.1074	.1078	.0942		.1111 (4)
MOTHER'S EDUCATION					.2340	.1868	.1872	.1804	.1705	.1702	.1613		.1777 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.1489	.1481	.1475	.1384	.1384	.1400		.1408 (3)
FEMALE HEADS OF HOUSEHOLD							.0091	.0101	.0130	.0141	.0214		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-.0298	-.0314	-.0315	-.0406		
PRESCHOOL INDICATORS													
Head Start									-.0122	-.0214	-.0229		
Some Preschool									.0733	.0648	.0589		.0724 (5)
Don't Know									-.0542	-.0582	-.0469		
Number of Months of Preschool										.0224	.0142		
REGION/CITYSIZE CONTRASTS													
X1											.0631		
X2											.0526		
X3											.0222		
X4											-.0188		
X5											-.0634		
X6											-.0574		
X7											-.0075		
X8											-.0037		
X9											-.0371		
X10											.0710		
X11											-.0279		
X12											-.0951		
MULTIPLE R	.20	.22	.22	.30	.38	.40	.40	.40	.41	.41	.44		.41
MULTIPLE R^2	.04	.05	.05	.09	.14	.16	.16	.16	.17	.17	.19		.16
CHANGE IN R^2 (sR^2)	--	.01	.00	.04	.05	.02	.00	.00	.01	.00	.02		---
F	91.63	58.89	39.24	56.23	74.94	71.99	61.72	54.32	41.37	38.01	22.67		74.69
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-3

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.0638	.0671	.0705	.0717	.0728	.0738	.0738	.0738	.0755	.0755	.1066		
SEX		.1028	.1027	.1034	.1046	.1057	.1057	.1056	.1011	.1009	.1048		.0993 (2)
MISSINGNESS OF DATA			.0298	.0306	.0315	.0322	.0321	.0315	.1015	.1024	.0482		
INCOME IN THOUSANDS OF DOLLARS				.0914	.0323	.0737	.0710	.0708	.0695	.0693	.0541		.0761 (4)
MOTHER'S EDUCATION					.0878	.0774	.0775	.0771	.0659	.0648	.0518		
HIGHEST OCCUPATION IN HOUSEHOLD						.0748	.0745	.0747	.0709	.0698	.0618		.0792 (3)
FEMALE HEADS OF HOUSEHOLD							.0126	.0131	.0130	.0137	.0205		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-.0110	-.0126	-.0125	-.0047		
PRESCHOOL INDICATORS													
Head Start									.0919	.0648	.0897		.0594 (5)
Some Preschool									.1576	.1394	.1347		.1345 (1)
Don't Know									-.0086	-.0232	-.0031		
Number of Months of Preschool										.0477	.0343		
REGION/CITYSIZE CONTRASTS													
X1											.1184		
X2											.0420		
X3											-.0115		
X4											-.1116		
X5											.0960		
X6											-.0061		
X7											.0154		
X8											.0805		
X9											.0543		
X10											*		
X11											.0013		
X12											-.1138		
MULTIPLE R	.06	.12	.12	.15	.18	.19	.19	.19	.24	.25	.34		.21
MULTIPLE R^2	.00	.01	.02	.02	.03	.04	.04	.04	.06	.06	.12		.04
CHANGE IN R^2 (ΔR^2)	--	.01	.01	.00	.01	.01	.00	.00	.02	.00	.06		--
F	9.18	16.67	11.78	13.72	14.59	14.31	12.31	10.81	12.85	12.12	12.96		20.17
α	.0003	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-4

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES FOR WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.0992	.1019	.1042	.1028	.1028	.0976	.0978	.0970	.0348	.0950	.1063		.0889 (3)
SEX		.0681	.0682	.0705	.0721	.0696	.0696	.0692	.0709	.0702	.0705		
MISSINGNESS OF DATA			.0312	.0318	.0316	.0319	.0319	.0320	.0865	.0876	.0475		
INCOME IN THOUSANDS OF DOLLARS				.1748	.1183	.0899	.0860	.0878	.0812	.0819	.0675		.0863 (4)
MOTHER'S EDUCATION					.2301	.1869	.1875	.1791	.1669	.1665	.1569		.1761 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.1362	.1351	.1344	.1227	.1226	.1300		.1288 (2)
FEMALE HEADS OF HOUSEHOLD							.0129	.0141	.0173	.0191	.0327		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-.0369	-.0390	-.0392	-.0476		
PRESCHOOL INDICATORS													
Head Start									-.0227	-.0391	-.0248		
Some Preschool									.0883	.0731	.0687		.0791 (5)
Don't Know									-.0453	-.0524	-.0469		
Number of Months of Preschool										.0398	.0231		
REGION/CITYSIZE CONTRASTS													
X1											.1783		
X2											.0468		
X3											.0891		
X4											-.0714		
X5											-.0737		
X6											-.0750		
X7											-.0390		
X8											.0264		
X9											-.0015		
X10											.0701		
X11											-.0221		
X12											-.0936		
MULTIPLE R	.10	.12	.12	.21	.31	.33	.33	.34	.35	.35	.40		.33
MULTIPLE R^2	.01	.01	.02	.05	110	.11	.11	.11	.12	.12	.16		.11
CHANGE IN R^2 (sR^2)	--	.00	.01	.03	.05	.01	.00	.00	.01	.00	.04		--
F	22.68	16.74	11.91	27.46	48.22	47.36	40.63	36.00	28.54	26.44	17.50		56.93
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-5

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES FOR BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0			0
AGE	.1664	.1700	.1689	.1696	.1702	.1707	.1707	.1707	.1707	.1815			.1650 (1)
SEX		.1104	.1104	.1109	.1115	.1120	.1119	.1080	.1078	.1100			.1069 (3)
MISSINGNESS OF DATA			-.0098	-.0094	-.0089	-.0085	-.0090	.0491	.0497	.0349			
INCOME IN THOUSANDS OF DOLLARS				.0551	.0503	.0458	.0457	.0451	.0451	.0361			
MOTHER'S EDUCATION					.0462	.0408	.0404	.0290	.0282	.0265			
HIGHEST OCCUPATION IN HOUSEHOLD						.0387	.0389	.0350	.0342	.0292			
FEMALE HEADS OF HOUSEHOLD													
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking							-.0101	-.0119	-.0118	-.0186			
PRESCHOOL INDICATORS													
Head Start								.1075	.0875	.0896			.0781 (4)
Some Preschool								.1579	.1445	.1425			.1393 (2)
Don't Know								.0199	.0091	.0146			
Number of Months of Preschool									.0351	.0312			
REGION/CITYSIZE CONTRASTS													
X1										.0472			
X2										-.0114			
X3										-.0275			
X4										-.0115			
X5										.0584			
X6										-.0271			
X7										.0163			
X8										.0175			
X9										.0618			
X10										*			
X11										.0345			
X12										-.1457			
MULTIPLE R	.17	.20	.20	.21	.21	.22	.22	.26	.26	.31			.24
MULTIPLE R^2	.03	.04	.04	.04	.05	.05	.05	.07	.07	.10			.06
CHANGE IN R^2 (ΔR^2)	–	.01	.00	.00	.01	.00	.00	.02	.00	.03			–
F	64.08	46.68	31.18	29.23	21.21	18.26	15.68	16.35	15.07	10.88			35.91
Q	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			.000

Table NFT 3-6

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES FOR WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0			0
AGE	.1914	.1939	.1950	.1935	.1936	.1889	.1875	.1830	.1630	.1759			.1852 (2)
SEX		.0623	.0623	.0648	.0663	.0640	.0632	.0647	.0648	.0641			
MISSINGNESS OF DATA			.0151	.0158	.0156	.0158	.0160	.0686	.0686	.0375			
INCOME IN THOUSANDS OF DOLLARS				.1844	.1320	.1066	.1106	.1122	.1121	.1029			.1055 (4)
MOTHER'S EDUCATION					.2133	.1746	.1599	.1547	.1547	.1449			.1737 (1)
HIGHEST OCCUPATION IN HOUSEHOLD						.1219	.1208	.1175	.1175	.1217			.1233 (3)
FEMALE HEADS OF HOUSEHOLD													
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking							-.0646	-.0640	-.0640	-.0744			
PRESCHOOL INDICATORS													
Head Start								.0193	.0202	.0191			
Some Preschool								.0462	.0470	.0420			
Don't Know								-.0492	-.0488	-.0467			
Number of Months of Preschool									-.0021	-.0092			
REGION/CITYSIZE CONTRASTS													
X1										.0425			
X2										.0540			
X3										-.0452			
X4										.0193			
X5										.0163			
X6										-.0511			
X7										-.0018			
X8										-.0401			
X9										-.0060			
X10										.0793			
X11										-.0172			
X12										-.0730			
MULTIPLE R	.19	.20	.20	.27	.34	.36	.37	.37	.37	.39			.35
MULTIPLE R^2	.04	.04	.04	.07	.12	.13	.13	.14	.14	.15			.13
CHANGE IN R^2 (sR^2)	-	.00	.00	.03	.05	.01	.00	.01	.00	.01			-
F	86.78	48.15	32.27	46.01	60.63	56.53	50.14	36.00	32.71	17.83			82.63
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			.000

Table NFT 3-7

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF BLACK CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0	0	0
AGE	.1522	.1572	.1600	.1612	.1619	.1624	.1625	.1625	.1635	.1635	.1784		.1578 (1)
SEX		.1548	.1547	.1555	.1562	.1566	.1569	.1568	.1537	.1536	.1561		.1532 (2)
MISSINGNESS OF DATA			.0243	.0251	.0256	.0261	.0258	.0257	.0723	.0732	.0482		
INCOME IN THOUSANDS OF DOLLARS				.0867	.0808	.0759	.0711	.0711	.0701	.0698	.0608		.0821 (4)
MOTHER'S EDUCATION					.0567	.0508	.0510	.0509	.0429	.0419	.0341		
HIGHEST OCCUPATION IN HOUSEHOLD						.0426	.0421	.0421	.0394	.0384	.0315		
FEMALE HEADS OF HOUSEHOLD							.0221	.0222	.0222	.0228	.0286		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								-.0020	-.0032	-.0031	.0042		
PRESCHOOL INDICATORS													
Head Start									.0648	.0388	.0491		
Some Preschool									.1130	.0956	.0926		.0856 (3)
Don't Know									-.0009	-.0149	-.0055		
Number of Months of Preschool										.0458	.0365		
REGION/CITYSIZE CONTRASTS													
X1										.1043			
X2										.0308			
X3										-.0701			
X4										-.0835			
X5										.0247			
X6										-.0045			
X7										.0054			
X8										.0432			
X9										-.0266			
X10										*			
X11										.0152			
X12										-.1489			
MULTIPLE R	.15	.22	.22	.23	.24	.25	.25	.25	.27	.27	.33		.25
MULTIPLE R^2	.02	.05	.05	.06	.06	.06	.06	.06	.07	.07	.11		.06
CHANGE IN R^2 (sR^2)	--	[illegible]	.00	.01	.00	.00	.00	.00	.01	.00	.04		--
F	53.33	55.55	37.50	32.80	27.83	23.92	20.66	18.08	15.71	14.73	11.68		37.23
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-8

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF WHITE CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.2510	.2568	.2523	.2510	.2510	.2464	.2465	.2473	.2464	.2465	.2235		.2508 (1)
SEX		.1456	.1455	.1476	.1485	.1463	.1464	.1468	.1477	.1476	.1488		.1465 (3)
MISSINGNESS OF DATA			-.0613	-.0607	-.0609	-.0606	-.0606	-.0607	-.0171	-.0168	-.0330		
INCOME IN THOUSANDS OF DOLLARS				.1583	.1235	.0984	.0954	.0937	.0890	.0892	.0810		.0986 (5)
MOTHER'S EDUCATION					.1417	.1034	.1039	.1114	.1050	.1049	.1023		.1033 (4)
HIGHEST OCCUPATION IN HOUSEHOLD						.1205	.1197	.1204	.1141	.1141	.1039		.1207 (2)
FEMALE HEADS OF HOUSEHOLD							.0099	.0087	.0096	.0103	.0052		
LANGUAGE/ETHNICITY CONTRASTS													
English Speaking vs. Non-English Speaking								.0332	.0311	.0311	.0269		
PRESCHOOL INDICATORS													
Head Start									-.0233	-.0273	-.0534		
Some Preschool									.0411	.0374	.0310		
Don't Know									-.0456	-.0473	-.0231		
Number of Months of Preschool										.0096	.0175		
REGION/CITYSIZE CONTRASTS													
X1											.0290		
X2											.0326		
X3											-.0213		
X4											.0323		
X5											-.0989		
X6											-.0074		
X7											.0393		
X8											.0129		
X9											-.1064		
X10											.0268		
X11											-.0343		
X12											-.0720		
MULTIPLE R	.25	.29	.30	.34	.36	.38	.38	.38	.38	.38	.42		.37
MULTIPLE R^2	.06	.08	.09	.11	.13	.14	.14	.14	.15	.15	.18		.14
CHANGE IN R^2 (sR^2)	-	.02	.01	.02	.02	.01	.00	.00	.01	.00	.03		-
F	153.36	104.77	73.21	72.53	69.15	63.69	54.61	48.16	35.85	32.87	20.67		74.20
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-9

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN TOTAL WRAT SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.1857	.1891	.1846	.1818	.1830	.1799	.1792	.1601	.1596	.1600	.1751		.1822 (1)
SEX		.1101	.1103	.1123	.1134	.1133	.1136	.1140	.1137	.1134	.1145		.1127 (5)
MISSINGNESS OF DATA			-.0350	-.0331	-.0321	-.0317	-.0317	.0064	.0596	.0608	.0279		
INCOME IN THOUSANDS OF DOLLARS				.1675	.1453	.1212	.1113	.0923	.0926	.0928	.0811		.1229 (3)
MOTHER'S EDUCATION					.1338	.1067	.1079	.0993	.0901	.0895	.0856		.0995 (6)
HIGHEST OCCUPATION IN HOUSEHOLD						.1254	.1229	.1040	.0980	.0975	.0960		.1219 (2)
FEMALE HEADS OF HOUSEHOLD							.0357	.0081	.0122	.0130	.0227		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								-.0022	-.0004	-.0005	.0013		
English Speaking: Others vs. Non-English Speaking: Others								.0107	.0109	.0108	.0246		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.0106	.0105	.0118	.0290		
English Speaking: Blacks vs. Whites								-.1672	-.1921	-.1536	-.2130		
PRESCHOOL INDICATORS													
Head Start									.0660	.0449	.0480		.0312 (7)
Some Preschool									.1406	.1262	.1172		.1121 (4)
Don't Know									-.0034	-.0135	-.0049		
Number of Months of Preschool										.0394	.0298		
REGION/CITYSIZE CONTRASTS													
X1											.1308		
X2											.0418		
X3											-.0133		
X4											-.0702		
X5											-.0154		
X6											-.0471		
X7											-.0093		
X8											.0408		
X9											-.0281		
X10											.0396		
X11											-.0248		
X12											-.1112		
MULTIPLE R	.19	.22	.22	.28	.31	.33	.33	.36	.39	.39	.43		.34
MULTIPLE R^2	.03	.05	.05	.08	.09	.11	.11	.13	.15	.15	.19		.12
CHANGE IN R^2 (sR^2)	--	.02	.00	.03	.01	.02	.00	.02	.02	.00	.04		--
F	186.97	127.38	87.55	107.33	107.58	104.90	90.99	72.27	65.63	61.77	44.61		100.31
p	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-10

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT READING SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.0915	.0938	.0941	.0916	.0930	.0900	.0896	.0792	.0788	.0792	.1046		.0855 (5)
SEX		.0765	.0765	.0783	.0795	.0794	.0796	.0791	.0787	.0783	.0796		
MISSINGNESS OF DATA			.0023	.0040	.0051	.0055	.0055	.0306	.0814	.0828	.0370		
INCOME IN THOUSANDS OF DOLLARS				.1478	.1240	.1016	.0954	.0817	.0815	.0818	.0680		.1011 (4)
MOTHER'S EDUCATION					.1433	.1180	.1188	.1059	.0966	.0959	.0913		.1095 (2)
HIGHEST OCCUPATION IN HOUSEHOLD						.1167	.1151	.1017	.0954	.0949	.0953		.1126 (1)
FEMALE HEADS OF HOUSEHOLD							.0225	.0063	.0103	.0112	.0240		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								-.0084	-.0066	-.0067	.0003		
English Speaking: Others vs. Non-English Speaking: Others								.0060	.0065	.0063	.0206		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.0410	.0409	.0422	.0645		
English Speaking: Blacks vs. Whites								-.1137	-.1377	-.1394	-.1688		
PRESCHOOL INDICATORS													
Head Start									.0605	.0366	.0497		.0227 (6)
Some Preschool									.1410	.1246	.1148		.1108 (3)
Don't Know									-.0020	-.0135	-.0016		
Number of Months of Preschool										.0448	.0306		
REGION/CITYSIZE CONTRASTS													
X1											.1362		
X2											.0333		
X3											.0494		
X4											-.1017		
X5											-.0330		
X6											-.0496		
X7											-.0290		
X8											.0592		
X9											-.0017		
X10											.0470		
X11											-.0161		
X12											-.1025		
MULTIPLE R	.09	.12	.12	.19	.24	.26	.26	.28	.31	.32	.38		.27
MULTIPLE R^2	.01	.01	.01	.04	.06	.07	.07	.08	.10	.10	.14		.07
CHANGE IN R^2 (sR^2)	--	.00	.00	.03	.02	.01	.00	.01	.02	.00	.04		--
F	44.16	37.72	25.16	48.92	62.08	63.88	55.14	41.71	40.57	38.47	32.03		69.22
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-11

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT MATH SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.1875	.1901	.1861	.1840	.1651	.1828	.1826	.1725	.1714	.1716	.1743		.1814 (1)
SEX		.0832	.0833	.0849	.0859	.0858	.0859	.0852	.0852	.0850	.0854		
MISSINGNESS OF DATA			-.0313	-.0298	-.0289	-.0286	-.0286	-.0050	.0401	.0407	.0290		
INCOME IN THOUSANDS OF DOLLARS				.1264	.1062	.0883	.0862	.0723	.0742	.0743	.0675		.0914 (5)
MOTHER'S EDUCATION					.1217	.1015	.1018	.0838	.0758	.0754	.0733		.0945 (2)
HIGHEST OCCUPATION IN HOUSEHOLD						.0930	.0924	.0790	.0745	.0743	.0747		.0912 (3)
FEMALE HEADS OF HOUSEHOLD							.0077	-.0060	-.0016	-.0011	.0040		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								-.0060	-.0044	-.0045	-.0021		
English Speaking: Others vs. Non-English Speaking: Others								.0327	.0321	.0321	.0429		
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								.0525	.0534	.0541	.0664		
English Speaking: Blacks vs. Whites								-.1113	-.1346	-.1355	-.1459		
PRESCHOOL INDICATORS													
Head Start									.0747	.0630	.0612		.0483 (6)
Some Preschool									.1217	.1136	.1096		.1007 (4)
Don't Know									.0051	-.0006	.0033		
Number of Months of Preschool										.0220	.0164		
REGION/CITYSIZE CONTRASTS													
X1											.0728		
X2											.0208		
X3											-.0649		
X4											-.0259		
X5											.0194		
X6											-.0346		
X7											-.0035		
X8											.0033		
X9											-.0097		
X10											.0437		
X11											-.0246		
X12											-.0904		
MULTIPLE R	.19	.21	.21	.24	.27	.28	.29	.31	.33	.33	.36		.29
MULTIPLE R^2	.04	.04	.04	.06	.07	.08	.08	.09	.11	.11	.13		.08
CHANGE IN R^2 (ΔR^2)	--	.00	.00	.02	.01	.01	.00	.01	.02	.00	.02		--
F	190.84	114.97	78.46	82.02	82.87	77.03	66.06	49.74	45.41	42.52	28.46		79.27
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

Table NFT 3-12

STANDARDIZED REGRESSION COEFFICIENTS AND RELATED STATISTICS OF HIERARCHICAL MODELS FOR PREDICTING FALL KINDERGARTEN WRAT SPELLING SUBTEST SCORES OF ALL CHILDREN IN NFT ENTRY STUDY SAMPLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12	Parsimonious Model
CONSTANT	0	0	0	0	0	0	0	0	0	0	0		0
AGE	.2324	.2365	.2264	.2238	.2244	.2217	.2204	.1880	.1882	.1885	.1930		.1887 (2)
SEX		.1336	.1340	.1360	.1364	.1364	.1369	.1398	.1394	.1391	.1402		.1390 (3)
MISSINGNESS OF DATA			-.0790	-.0773	-.0768	-.0764	-.0765	-.0225	.0150	.0159	-.0025		
INCOME IN THOUSANDS OF DOLLARS				.1543	.1442	.1234	.1047	.0816	.0808	.0810	.0733		.0840 (4)
MOTHER'S EDUCATION					.0609	.0375	.0398	.0530	.0475	.0471	.0445		.0471 (8)
HIGHEST OCCUPATION IN HOUSEHOLD						.1079	.1030	.0797	.0755	.0752	.0692		.0758 (7)
FEMALE HEADS OF HOUSEHOLD							.0680	.0220	.0239	.0245	.0292		
LANGUAGE/ETHNICITY CONTRASTS													
Non-English Speaking: Black & White vs. English & Non-English Speaking: Others								.0130	.0140	.0140	.0060		.0144 (9)
English Speaking: Others vs. Non-English Speaking: Others								-.0119	-.0112	-.0113	-.0024		-.0012 (10)
English & Non-English Speaking: Others vs. English Speaking: Blacks & Whites								-.0889	-.0899	-.0890	-.0832		-.0908 (6)
English Speaking: Blacks vs. Whites								-.2236	-.2382	-.2393	-.2428		-.2368 (1)
PRESCHOOL INDICATORS													
Head Start									.0297	.0141	.0051		
Some Preschool									.0859	.0752	.0666		.0795 (5)
Don't Know									-.0131	-.0205	-.0163		
Number of Months of Preschool										.0291	.0274		
REGION/CITYSIZE CONTRASTS													
X1											.1164		
X2											.0558		
X3											-.0476		
X4											-.0320		
X5											-.0180		
X6											-.0320		
X7											.0203		
X8											.0316		
X9											-.0748		
X10											.0024		
X11											-.0254		
X12											-.0885		
MULTIPLE R	.23	.27	.28	.32	.32	.34	.35	.42	.42	.42	.46		.42
MULTIPLE R^2	.05	.07	.08	.10	.11	.12	.12	.17	.18	.18	.21		.18
CHANGE IN R^2 (sR^2)	—	.02	.01	.02	.01	.01	.00	.05	.01	.00	.03		—
F	298.85	202.55	147.52	148.20	123.23	114.23	101.94	99.54	81.88	76.72	50.67		113.66
α	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000

ADDENDUM

THE NON-FOLLOW THROUGH INTERIM DESCRIPTIVE STUDY

NOTE TO READER

The following Addendum is a corrected version of the 8 July 1976 Special Interim Report on the non-Follow Through Study. However, we classified some of the sites in terms of city size to make them consistent with the population density of the Follow Through project. That is, if the Follow Through project is county-wide we had used the county population to define city size. In this revised appendix, we have used the population of the largest community within the county to assign the city size for the (county wide) Follow Through projects. The following projects were reclassified: West Iron Co., MI (small to rural) and St. Martin Parish, LA (small to rural). In addition, San Diego, TX had been mistaken for San Diego, CA, a site which had appeared in the Cohort II kindergarten sample, and therefore had to be reclassified, appropriately, as a rural site in the South instead of a West large city. These changes do not alter the basic findings of the 8 July 1976 NFT Report.

INTRODUCTION

The non-Follow Through portion of the Follow Through data base provides an opportunity to learn much about a large and diverse group of relatively disadvantaged children who are attending non-Follow Through schools. These non-Follow Through (NFT) children have been selected to serve as comparison group children in the National Evaluation of Follow Through. Although, in some districts, the most disadvantaged may have been selected to participate in the Follow Through program, these NFT children, generally, are assumed to be among the most disadvantaged pupils in the elementary grades. Up to four years of background and achievement data have been collected on these children. We expect that many of these NFT children are participating in various compensatory programs funded by USOE. Descriptions of NFT background characteristics will provide insight into the types of children being served by compensatory education. Their school performance across time and its relationship to their background characteristics provides some additional information about the effectiveness of these programs for different types of children. Because the data were collected for four years, we will also be able to come to a better understanding of attrition rates and the types of children who tend not to remain in a given school district through their early school years and thus would not be present to benefit fully from a specialized long-term program.

We are taking a three-pronged approach to studying these data. First, we will describe NFT academic performance and background characteristics. Second, we will explore the relationship of background characteristics to academic performance at entry to kindergarten. Third, we will examine the relationship of these same background variables and school performance through the third grade. The synthesis of these three approaches will be presented in our final report.

This interim descriptive study provides a summary of our initial exploration of these data. Specifically, it:

- describes our development of key variables;
- summarizes academic performance and background characteristics;
- explores availability and suitability of data for further analyses; and,
- provides initial breakouts of performance data by background categories.

Samples Explored

Knowing that many children will have moved into and out of the selected school districts across the four years of data collection, we have begun our data explorations by selecting several overlapping groups of children. These groups have been selected to approximate the types of samples which will be needed to address our various concerns. Figure 1 presents the data requirements for each group of children whose data are presented in this interim study.

Figure 1

Data Case Subsets and Data Points Required

	Socioeconomic Information	Fall Kindergarten WRAT	Spring Kindergarten WRAT	Spring Kindergarten MAT	Spring First Grade MAT	Spring Second Grade MAT	Spring Third Grade MAT
Pre-Post Group	X	X →		plus →			X
Longitudinal Group	X	X					
Entry Level Group	X	X →	plus →		X	plus →	X
Anyone with Data Group		X or	X or	X or	X or	X or	X

Data are presented and discussed for a pre-post group: those NFT children for whom we have valid fall kindergarten and third grade test data and also socioeconomic information. This is the largest group with whom we could explore school performance. We wish, however, to examine school performance from a longitudinal perspective which includes an interim data point. Therefore, we are presenting data for that subset of children who have valid fall kindergarten, spring first and spring third grade test data and socioeconomic data. (We chose these three data points because they provide the maximum number of children traced through three time points.)

We are also presenting data for all NFT children for whom we have a valid fall kindergarten test and socioeconomic data. These are the children on whom we shall study the relationship of background characteristics to entry level academic performance.

Finally, we present data on NFT children on whom we have test data present at any time point. This "group" is actually composed of five overlapping cross-sectional subsets. These cross-sectional subsets permit an examination of performance, at each grade level, of the largest groups of non-Follow Through children available in the data base. This exploration of cross-sectional groups assumes that at any given grade level the performance of that group tested is representative of the performance of other non-Follow Through children in the tested location. The larger sample sizes thus available should provide more stable estimates of that performance level.

In this preliminary report, we present achievement data at all five time points (fall kindergarten, spring kindergarten, spring first, spring second, spring third) for each of the four groups: pre-post, longitudinal, entry, cross-sectional. Our discussions, however, focus on the pre-post group. The choice of this subset of data cases as the "standard" against which other data subsets would be compared was dictated by several considerations. First, by virtue of its selection criteria, it approximates the Cohort II-K and Cohort III-K Follow Through studies. Thus, it is a subset which is familiar to many of our readers and which also maximizes comparability across studies based on the Follow Through evaluation data base. Second, it contains subsets of cases which will appear in both the entry level and longitudinal studies to be performed later. In this sense, it can provide a "mean" from which deviations can be instructive. Finally, since we wish ultimately to make statements concerning the impacts of schooling and the correlates of these impacts, the pre-post group provides us with a minimally adequate data set for making inquiries along these lines.

As we mentioned above, in order for a child to be included in a given group, we must have valid test data for him/her at the specified data points. At four data points, one major achievement test battery was administered; at one, spring of kindergarten, two tests (Wide Range Achievement Test and Metropolitan Achievement Test, see "Tests Explored") were administered. For this data point, we required only that the Wide Range Achievement Test be present because we could thus maximize the number of children with comparable tests at both kindergarten data points (the Wide Range Achievement Test was administered in the fall). We have reported spring kindergarten Metropolitan Achievement Test scores for that subset of children for whom we have valid data.

Variable Development

Some of the variables used in the Interim Descriptive Study are either new to the exploration of the Follow Through data base and/or are still in the process of definition. In the latter case, interim definitions have been used for this report; the statistics provided for such variables will be computed again when final definitions are made. The variables reviewed below include preschool, transiency, area, and economic status.

Preschool

The preschool variable consists of four categories: attended Head Start; attended other preschool; attended neither Head Start nor other preschool; unknown. The data sources for this variable are the entry parent interview and the child's school demographic records. Neither of these data sources provides complete information for every child; and in a small proportion of cases the two sources do not agree. This year's Head Start Study component of the Follow Through evaluation has included an intensive examination of the issues involved in the development of an adequate framework for definition. The definition used in this report takes the demographic record as the primary source and checks the parent interview only when the demographic data are lacking. If a child has attended both Head Start and other preschool, the child is assigned to Head Start. Although some modification of this definitional framework is now in process, it is expected that few children will change status on the variable.

Transiency

If a child who was in the kindergarten non-Follow Through sample changed schools and his new school was within geographic proximity, he was traced and tested at his new school. It is thus possible for a non-Follow Through child who was tested in each of the four years to have been tested in four different schools. Two different variables have been developed to express this transiency: MOVES and SCHOOLS. MOVES reflects the number of moves made and ranges from zero to three; SCHOOLS reflects the number of schools attended and ranges from one to four. In order for a child to be scored on these variables he must have been present in both kindergarten and third grade. If we lacked all information on a child at an interim time point, we assumed that he was present in the school previously recorded for him.

Area

Data summaries are presented within areas. The areas represent combinations of information on the geographical regions of the country and size of city, including:

- North-eastern large cities (Area 11).
- North-eastern medium-sized cities (Area 12).
- North-eastern small cities (Area 13).
- North-central large cities (Area 21).
- North-central medium-sized cities (Area 22).
- North-central small cities (Area 23).
- North-central rural areas (Area 24).
- Southern large cities (Area 31).
- Southern medium-sized cities (Area 32).
- Southern small cities (Area 33).
- Southern rural areas (Area 34).
- Western large cities (Area 41).
- Western medium-sized cities (Area 42)
- Western small cities (Area 43).
- Western rural areas (Area 44).

Each of the above areas is an aggregate of the sites involved in the data collection of the National Evaluation of Follow Through. The number of sites within area varies considerably. As shown in Table 0 the distribution by area ranges from one in the Northcentral small, South rural, and West rural areas for all groups, to seven in the Northcentral medium area for the group which has data at any point. Although we make no mention of the number of sites within area in the discussions which follow, it must be kept in mind that some areas include a very small number of sites. In the final report we will explore the comparability of demographic characteristics with respect to national population characteristics. This will help us identify the degree to which these NFT data are representative of their specific area.

NFT Status

For a child's data to be included in a given year's sample, he or she must have been designated as NFT in that year and in all prior years for which data are available. For example, a child who was in an NFT class at entry, was not present in the testing sample in first grade, was in an FT class in second grade, and was in an NFT class in third grade would have retained NFT status only through his kindergarten year.

Poverty Level

Poverty level is a constructed variable which takes into consideration income, family size, and population density (rural/urban), ranging from one to twenty five, with values above nine indicating above poverty.

Economic Status

Economic status is an interim variable developed to ascertain the congruence between poverty level and income. It is divided into four categories: below poverty and less than $9,900; below poverty and at least $9,900; above poverty and less than $9,900; above poverty and at least $9,900. It was developed to determine if there were cases which were below poverty and had income of $9,900 or above. (The $9,900 figure was selected because it is the highest category in the truncated income variable.)

Tests Explored

Across the five different time points for which we are presenting data two different tests were administered: The Wide Range Achievement

Table 0

Number of Sites by Region and City Size (AREA) for NFT Analytic Samples

	NORTHEAST				NORTHCENTRAL				SOUTH				WEST			
	Large	Med.	Small	Rural	Large	Med.	Small	Rural	Large	Med.	Small	Rural	Large	Med.	Small	Rural
Pre-post	4	6	4	0	6	6	1	3	5	0	2	1	5	4	4	1
Entry Level	4	6	4	0	6	6	1	3	5	0	2	1	5	4	4	1
Longitudinal	4	6	4	0	5	5	1	3	4	0	2	1	5	3	4	0
Anyone with Data	4	6	4	0	6	7	1	3	5	1	2	1	5	4	4	1

Test (WRAT) in the fall and spring of the kindergarten year, the Metropolitan Achievement Test (MAT) in the spring of the kindergarten, first, second, and third grade years. A different but appropriate level of the MAT was given at each time point:

- kindergarten: Primer
- first: Primary I
- second: Primary II
- third: Elementary

The subtests contained in each test are presented in Figure 2. Although there are Total Reading, Total Math, and Spelling subtests in both the WRAT and the MAT, these tests are not equivalent.

We have used one-third of a standard deviation of the publisher's standard score as the criterion for assessing different performance levels on the MAT. We chose this criterion because of its usefulness to USOE. We have rounded the first, second, and third grade median scores and the WRAT subtest scores in order to translate those scores into the publishers' grade equivalents. Because similar standard scores are not available for the WRAT, we have used .3 grade equivalents as the criterion. This use of different types of criteria may help us keep in mind that it is not possible to compare performance on the two different measures.

Figure 2

Test Pattern for Kindergarten to Third Grade Period

	Fall Kindergarten	Spring Kindergarten	Spring First Grade	Spring Second Grade	Spring Third Grade
Total Reading	WRAT	WRAT MAT	MAT	MAT	MAT
Word Knowledge				MAT	MAT
Reading		MAT	MAT	MAT	MAT
Total Mathematics	WRAT	WRAT MAT	MAT	MAT	MAT
Computations				MAT	MAT
Concepts				MAT	MAT
Problems				MAT	MAT
Word Knowledge (Listening for Sounds)		MAT	MAT	MAT	
Spelling	WRAT	WRAT MAT		MAT	MAT
Language					MAT

NFT DESCRIPTIVE STUDY

For the purposes of describing the NFT group we have chosen to focus on the pre-post subset. This group was chosen specifically because (1) it approximates other analytic samples (CII-K and CIII-K) and (2) it contains a subset of pupils which will appear in both the entry level study and the longitudinal study.

Tables 1 through 4 present descriptive characteristics of the CIII NFT analytic samples in terms of standard socioeconomic indicators, similar to those used by the publisher of the Metropolitan Achievement Test (MAT) in constructing a normative sample representative of the national population. Since the MAT constitutes the major portion of the battery used in this study, it seems appropriate to display our data in a way which facilitates a comparison between the NFT sample and the MAT norm sample.

Pupil Characteristics

Considering pupil characteristics, we find that the average age at entry to kindergarten varies from a low of five years, two months for pupils in the rural South and the Northeast large cities to five years, seven months for pupils in the Northcentral rural areas (see Table 1). This range in entry age coupled with standard deviations around four months reflects the widely accepted practice of requiring a minimum age of a few months less than five years for kindergarten entry.

Most areas are also quite similar with respect to the sex of the children represented in their respective NFT samples. Females are equally represented across all areas. Northeast small cities, however, have the largest percentage (61 percent), of female pupils.

Unlike entry age and sex, ethnicity varies considerably across the areas represented in our sample. A number of areas are represented almost exclusively by one ethnic group. For example, Northeastern, Northcentral and Southern large cities are represented by a predominantly Black sample, while Southern small cities and rural sites in the Northcentral and West are represented by all White groups. Nevertheless, the figures do reflect national population figures of racial distributions by region (see Table 5).

Table 1

DISTRIBUTION OF BACKGROUND VARIABLES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND HAVE ENTRY PARENT INTERVIEW BY REGION AND CITYSIZE.

	ALL GROUPS	NORTHEAST				NORTHCENTRAL				WEST				SOUTH			
		Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
NUMBER OF CHILDREN IN SAMPLE	14	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49
FAMILY INCOME																	
Median	6537	5625	6175	8071	—	5080	7955		7650	4280	—	7200	4666	4650	7233	5700	9783
Mean	6375	5576	6228	7474	—	5679	7306		7136	4717	—	6881	4906	5312	6561	5787	8563
Standard Deviation	2715	2638	2851	2464	—	3109	2629		2712	2771	—	2930	2477	2929	2867	2819	2050
Number Responding	14	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49
MOTHER'S EDUCATION																	
Percent H.S. Graduates	55.57	41.48	50.89	71.43	—	44.76	53.71		69.20	40.40	—	66.02	34.91	47.25	62.05	37.39	91.84
Number Responding	150	135	169	147	—	210	229		241	151	—	103	108	91	166	115	49
FEMALE HEAD OF HOUSEHOLD																	
Percent	21.22	42.25	28.57	16.67	—	47.79	20.94		3.73	51.59	—	2.88	6.48	36.00	23.21	11.02	2.04
Number Responding	154	142	175	150	—	226	234		237	157	—	104	106	100	168	118	49
HIGHEST OCCUPATION IN HOUSEHOLD																	
Median	14.18	13.25	13.62	14.63	—	13.25	13.44		16.27	13.16	—	15.00	13.3	13.56	14.05	13.02	15.64
Mean	23.61	14.00	14.55	15.20	—	14.11	14.33		15.92	13.68	—	15.32	13.77	14.25	14.48	13.60	15.47
Standard Deviation	2.24	2.03	2.14	2.36	—	2.27	2.21		2.38	1.88	—	2.28	2.31	2.05	2.26	2.35	2.38
Number Responding	151	134	165	149	—	212	227		241	151	—	104	106	93	164	117	49
LANGUAGE																	
Percent English	99.66	85.92	88.57	100.00	—	99.56	91.03		99.59	94.90	—	100.00	63.89	79.59	99.40	81.36	100.00
Percent Spanish	6.96	11.97	1.71	0.00	—	0.00	8.55		0.00	5.10	—	0.00	36.11	17.35	0.60	16.10	0.00
Percent Other	1.15	2.11	9.71	0.00	—	0.44	0.43		.41	0.00	—	0.00	0.00		0.00	2.54	0.00
Number Responding	155	142	175	150	—	225	234		241	157	—	104	108	98	168	118	49
PRESCHOOL																	
Percent Head Start	20.86	30.99	12.57	6.67	—	32.74	10.26		26.56	35.03	—	11.54	24.07	38.00	17.86	16.10	0.00
Percent Other Preschool	9.89	18.31	7.43	4.00	—	4.87	5.98		1.24	12.10	—	0.96	1.85	23.00	15.48	15.25	26.53
Percent None	69.52	50.70	80.00	89.33	—	62.39	83.76		72.20	52.87	—	87.50	74.07	39.00	66.67	68.64	73.47
Percent Unknown	0.00	0.00	0.00	0.00	—	0.00	0.00		0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Number Responding	155	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49
RACE																	
Percent Black	32.91	84.51	34.86	16.00	—	76.89	37.34		4.58	83.44	—	11.54	34.26	46.00	13.69	12.17	0.00
Percent White	42.68	1.41	62.86	83.33	—	21.78	50.64		94.58	7.64	—	88.46	27.78	12.00	67.26	55.65	100.00
Percent Other	12.30	14.08	2.29	0.67	—	1.33	12.02		.82	8.92	—	0.00	37.96	42.00	19.05	32.17	0.00
Number Responding	154	142	175	150	—	225	233		240	157	—	104	108	100	168	115	49
AGE																	
Median	64.94	62.75	64.11	63.57	—	65.42	65.54		66.47	63.62	—	64.32	65.32	63.55	66.86	65.35	65.57
Mean	65.07	62.56	63.96	63.87	—	65.69	65.60		66.00	63.98	—	64.32	65.04	63.91	66.73	65.44	66.05
Standard Deviation	4.14	3.68	3.75	4.30	—	4.62	3.87		4.29	4.44	—	3.82	4.65	4.55	3.84	4.02	3.96
Number Responding	155	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49
SEX																	
Percent Female	51.29	46.48	49.14	61.33	—	53.98	47.01		49.79	52.23	—	50.96	50.93	52.00	52.98	48.31	51.02
Number Responding	155	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49
TRANSIENCY																	
Percent One Move	22.09	7.75	21.71	38.00	—	14.16	11.11		35.29	12.74	—	35.58	9.26	26.00	17.86	11.02	32.65
Percent Two Moves	4.92	0.70	1.14	18.67	—	1.33	2.56		7.49	14.65	—	9.62	0.00	3.00	0.00	0.85	0.00
Percent Three or More Moves	.60	0.00	0.00	0.67	—	0.00	0.43		2.49	0.00	—	1.92	0.00	0.00	0.00	0.00	0.00
Number Responding	155	142	175	150	—	226	234		241	157	—	104	108	100	168	118	49

Table 2

DISTRIBUTION OF BACKGROUND VARIABLES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND EXIT AT THIRD GRADE AND HAVE ENTRY PARENT INTERVIEW BY REGION AND CITYSIZE.

	ALL GROUPS	NORTHEAST				NORTHCENTRAL				WEST				SOUTH			
		Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
NUMBER OF CHILDREN IN SAMPLE	12	57	92	78	—	59	104	19	132	46	—	40	50	49	48	59	—
FAMILY INCOME																	
Median	6187	6225	5799	8100	—	5766	8100		8050	5299	—	6900	4300	4934	5100	5675	—
Mean	6206	6230	6200	7396	—	6091	7326		7351	5474	—	6957	4588	5463	5869	5534	—
Standard Deviation	2825	2541	3036	2617	—	3372	2812		2677	2861	—	2857	2559	3952	2819	2795	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—
MOTHER'S EDUCATION																	
Percent H.S. Graduates	52.38	47.17	49.43	72.00	—	55.36	51.46		72.31	43.18	—	52.50	34.69	52.27	54.35	43.86	—
Number Responding	12	53	87	75	—	56	103		130	44	—	40	49	44	46	57	—
FEMALE HEAD OF HOUSEHOLD																	
Percent	22.61	38.60	30.43	19.23	—	40.68	19.23		3.13	34.78	—	0.00	12.00	36.73	22.92	13.56	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	132	49	48	59	—
HIGHEST OCCUPATION IN HOUSEHOLD																	
Median	14.88	13.05	13.42	14.31	—	13.42	13.62		16.50	13.75	—	14.50	13.00	13.50	13.21	12.86	—
Mean	13.76	13.74	14.36	14.96	—	14.70	14.37		16.05	13.95	—	15.00	13.22	14.26	14.07	13.29	—
Standard Deviation	2.25	2.24	2.18	2.27	—	2.92	2.13		2.34	1.84	—	2.04	225	215	2.41	2.28	—
Number Responding	12	53	86	77	—	56	101		132	44	—	40	49	46	46	58	—
LANGUAGE																	
Percent English	89.21	87.72	88.04	100.00	—	100.00	88.46		100.0	91.30	—	100.00	54.00	79.59	100.00	81.36	—
Percent Spanish	9.23	10.53	1.09	0.00	—	0.00	11.54		0.00	8.70	—	0.00	46.00	14.29	0.00	18.64	—
Percent Other	1.56	1.75	10.87	0.00	—	0.00	0.00		0.00	0.00	—	0.00	0.00	6.12	0.00	0.00	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—
PRESCHOOL																	
Percent Head Start	20.94	31.58	15.22	6.41	—	27.12	8.65		25.00	41.30	—	10.00	26.00	34.69	8.33	16.95	—
Percent Other Preschool	17.64	15.79	8.70	2.56	—	5.08	2.88		1.52	8.70	—	0.00	2.00	32.65	20.83	22.03	—
Percent None	46.18	52.63	76.09	91.03	—	67.80	88.46		73.48	50.00	—	90.00	72.00	32.65	70.83	61.02	—
Percent Unknown	0.00	0.00	0.00	0.00	—	0.00	0.00		0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—
RACE																	
Percent Black	37.38	87.72	36.96	16.67	—	61.02	37.86		3.79	78.26	—	15.00	34.00	40.82	22.92	13.56	—
Percent White	46.47	0.00	60.87	83.33	—	35.59	46.60		96.21	8.70	—	85.00	20.00	14.29	56.25	50.85	—
Percent Other	16.14	12.28	2.17	0.00	—	3.39	15.53		0.00	13.04	—	0.00	46.00	44.90	20.83	35.59	—
Number Responding	12	57	92	78	—	59	103		132	46	—	40	50	49	48	59	—
AGE																	
Median	64.88	63.07	64.15	63.29	—	65.83	65.88		66.47	64.22	—	64.58	66.01	63.02	66.86	65.17	—
Mean	65.00	62.69	64.16	63.73	—	66.05	65.71		56.80	64.45	—	64.73	65.52	63.70	67.29	65.16	—
Standard Deviation	4.11	3.61	3.54	3.92	—	4.37	3.75		4.25	4.62	—	4.42	4.60	4.49	3.76	3.97	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—
SEX																	
Percent Female	50.32	43.86	51.09	56.41	—	49.15	46.15		52.27	54.35	—	52.50	50.00	53.06	45.83	49.15	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—
TRANSIENCY																	
Percent One Move	17.70	3.51	21.74	38.46	—	10.17	6.73		35.61	10.87	—	37.50	12.00	14.29	6.25	15.25	—
Percent Two Moves	4.63	1.75	0.00	20.51	—	0.00	1.92		6.82	19.57	—	5.00	0.00	0.00	0.00	0.00	—
Percent Three or More Moves	.73	0.00	0.00	0.00	—	0.00	0.00		3.75	0.00	—	5.00	0.00	0.00	0.00	0.00	—
Number Responding	12	57	92	78	—	59	104		132	46	—	40	50	49	48	59	—

Table 3

DISTRIBUTION OF BACKGROUND VARIABLES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN, AT FIRST GRADE AND EXIT AT THIRD GRADE AND HAVE ENTRY PARENT INTERVIEW BY REGION AND CITYSIZE.

	ALL GROUPS	NORTHEAST				NORTHCENTRAL				WEST				SOUTH			
		Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
NUMBER OF CHILDREN IN SAMPLE	14	3638	987	453	—	1453	1306		627	1175	152	468	243	881	757	647	209
FAMILY INCOME																	
Median	5599	5236	5753	7350	—	4968	7483		7200	4211	65	—	4422	4650	6172	5612	9729
Mean	6090	5606	6032	7035	—	5419	6885		6727	4594	—	6509	4816	5262	6019	5615	8245
Standard Deviation	2772	2626	2738	2589	—	3011	2830		2828	2783	—	2905	2645	2840	2969	2755	2473
Number Responding	13	604	491	325	—	793	592		396	410	0	194	165	440	416	330	104
MOTHER'S EDUCATION																	
Percent H.S. Graduates	53.35	43.00	46.75	67.41	—	43.53	55.74		66.00	38.25	—	59.79	35.40	48.72	58.11	42.41	88.46
Number Responding	13	614	492	316	—	765	601		400	400	0	194	161	431	413	323	104
FEMALE HEAD OF HOUSEHOLD																	
Percent	25.33	41.03	30.02	17.74	—	45.78	25.77		6.83	48.02	—	7.61	8.38	41.83	28.13	18.64	9.52
Number Responding	13	658	513	327	—	817	617		410	429	0	197	167	459	423	338	105
HIGHEST OCCUPATION IN HOUSEHOLD																	
Median	13.92	13.26	13.45	14.35	—	13.32	13.49		15.69	13.38	64.56	—	13.29	13.64	14.35	13.18	15.62
Mean	14.47	13.96	14.35	14.97	—	14.13	14.45		15.58	13.83	—	15.09	13.82	14.30	14.55	13.71	15.31
Standard Deviation	2.22	1.96	2.18	2.32	—	2.18	2.28		2.42	1.88	—	2.40	2.38	2.08	2.16	2.30	2.38
Number Responding	13	607	488	320	—	769	597		406	416	0	196	164	429	407	331	104
LANGUAGE																	
Percent English	95.02	91.97	89.88	99.56	—	98.54	95.25		99.66	97.34	95.39	100.00	63.49	30.38	94.66	86.49	99.06
Percent Spanish	6.7	6.72	1.94	0.44	—	0.95	4.60		0	2.66	4.61	0.00	36.51	17.38	5.07	11.96	0.96
Percent Other	1.04	1.31	8.18	0.00	—	0.51	0.15		.34	0.00	0.00	0.00	0	2.25	0.27	1.55	0.00
Number Responding	14	3511	978	452	—	1370	1305		593	1165	152	467	241	846	749	644	209
PRESCHOOL																	
Percent Head Start	13.52	7.86	12.16	6.18	—	26.57	13.40		27.59	14.64	3.29	9.40	22.22	16.46	12.29	15.77	1.44
Percent Other Preschool	7.44	15.34	5.78	6.84	—	6.54	5.97		3.35	8.26	0.66	1.07	1.65	14.19	14.27	10.05	10.05
Percent None	51.11	46.67	62.21	81.90	—	36.20	54.06		63.32	41.11	1.97	72.01	66.26	43.93	51.65	48.84	74.16
Percent Unknown	25.89	30.13	19.86	5.08	—	30.70	26.57		5.74	36.00	94.08	17.52	9.88	25.43	21.80	25.35	14.35
Number Responding	14	3638	987	453	—	1453	1306		627	1175	152	468	243	881	757	647	209
RACE																	
Percent Black	38.56	80.36	36.00	11.50	—	73.31	37.92		6.32	75.49	90.73	5.77	33.33	47.33	14.15	27.66	0.00
Percent White	48.65	8.60	59.03	86.50	—	22.09	54.08		92.88	10.98	4.64	91.67	28.81	13.31	65.08	45.78	97.60
Percent Other	12.79	11.04	4.97	1.99	—	4.60	8.00		.81	13.53	4.64	2.56	37.86	39.36	20.77	26.56	2.40
Number Responding	14	3523	986	452	—	1435	1300		618	1175	151	468	243	879	756	640	208
AGE																	
Median	64.87	62.47	63.89	63.79	—	65.96	65.40		67.21	64.56	63.00	64.47	64.99	64.21	66.07	65.80	66.33
Mean	65.34	62.79	64.68	64.11	—	66.28	65.67		68.10	65.04	63.04	65.02	65.25	64.50	66.33	66.14	67.07
Standard Deviation	4.95	4.41	5.40	4.43	—	5.21	4.67		6.00	4.94	3.97	4.90	5.14	4.34	4.90	5.46	5.54
Number Responding	14	3571	981	451	—	1435	1303		624	1173	150	467	243	878	754	643	209
SEX																	
Percent Female	48.52	49.61	47.01	51.77	—	47.74	48.77		45.99	49.96	44.74	50.54	48.56	49.49	52.18	45.75	49.28
Number Responding	14	3604	987	452	—	1439	1306		624	1175	152	467	243	881	757	647	209
TRANSIENCY																	
Percent One Move	20.06	3.99	20.66	39.62	—	15.91	13.47		27.41	11.86	—	31.50	8.21	18.89	18.50	11.76	38.98
Percent Two Moves	4.75	0.28	2.07	18.24	—	1.62	3.89		6.12	15.90	—	10.24	0	2.22	0.44	0.74	0.00
Percent Three or More Moves	.33	0.00	0.00	0.63	—	0.00	0.30		1.75	0.00	—	1.57	0	0	0.00	0.00	0.00
Number Responding	13	727	242	159	—	308	334		343	371	0	127	134	180	227	136	59

Table 4

DISTRIBUTION OF BACKGROUND VARIABLES FOR ALL NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ANY TIME POINT BY REGION AND CITYSIZE.

	ALL GROUPS	NORTHEAST				NORTHCENTRAL				WEST				SOUTH			
		Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
NUMBER OF CHILDREN IN SAMPLE #	13	580	464	307	—	760	583		389	404	—	185	164	420	405	323	103
FAMILY INCOME																	
Median	6131	5245	5777	7350	—	4989	7491		7237	4200	—	6790	4433	4666	6164	5617	9743
Mean	6080	5630	6076	7060	—	5440	6889		6761	4589	—	6651	4833	5279	6000	5595	8240
Standard Deviation	2981	2611	2764	2547	—	3017	2821		2819	2784	—	2869	2644	2842	2963	2752	2485
Number Responding	13	580	464	307	—	760	583		389	404	—	185	164	420	405	323	103
MOTHER'S EDUCATION																	
Percent H.S. Graduates	53.8	43.49	48.20	68.46	—	43.48	57.22		65.17	38.79	—	60.99	35.22	48.61	58.23	43.69	88.24
Number Responding	13	545	444	298	—	713	568		379	379	—	182	159	395	395	309	102
FEMALE HEAD OF HOUSEHOLD																	
Percent	25.22	41.72	29.74	17.59	—	45.39	25.39		6.68	48.02	—	6.49	7.93	42.38	28.89	17.96	9.71
Number Responding	13	580	464	307	—	760	583		389	404	—	185	164	420	405	323	103
HIGHEST OCCUPATION IN HOUSEHOLD																	
Median	14.02	13.25	13.48	14.41	—	13.32	13.67		15.67	13.42	—	14.80	13.37	13.72	14.38	13.16	15.65
Mean	14.49	13.95	14.41	15.01	—	14.13	14.53		15.55	13.85	—	15.18	13.88	14.33	14.57	13.70	15.34
Standard Deviation	2.23	1.94	2.19	2.34	—	2.17	2.29		2.40	1.87	—	2.41	2.38	2.10	2.18	2.32	2.39
Number Responding	13	540	440	303	—	718	563		386	394	—	184	161	393	391	316	102
LANGUAGE																	
Percent English	91.75	85.59	91.99	99.35	—	98.91	93.81		99.73	95.25	—	100.00	65.24	83.54	95.80	83.59	99.03
Percent Spanish	7.09	8.47	1.95	0.65	—	0.96	6.01		0.00	4.75	—	0.00	34.76	15.21	3.95	14.55	0.97
Percent Other	1.23	5.95	6.06	0.00	—	0.14	0.17		.27	0.00	—	0.00	0.00	1.25	0.25	1.86	0.00
Number Responding	13	555	462	307	—	731	582		367	400	—	185	164	401	405	323	103
PRESCHOOL																	
Percent Head Start	22.71	28.79	18.10	8.14	—	39.74	20.75		31.11	32.92	—	12.43	26.22	32.14	18.77	23.22	2.91
Percent Other Preschool	13.65	29.48	9.48	9.45	—	8.82	12.18		5.14	14.85	—	2.16	2.44	25.95	20.74	17.34	19.42
Percent None	63.64	41.72	72.41	82.41	—	51.45	67.07		63.75	52.23	—	85.41	71.34	41.90	60.49	59.44	77.67
Percent Unknown	0.00	0.00	0.00	0.00	—	0.00	0.00		0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Number Responding	13	580	464	307	—	760	583		389	404	—	185	164	420	405	323	103
RACE																	
Percent Black	35.13	76.98	39.66	12.42	—	73.94	34.08		4.90	76.49	—	9.73	34.76	49.16	17.28	27.27	0.00
Percent White	51.96	5.04	55.82	85.95	—	21.43	54.91		94.37	12.87	—	89.73	29.27	15.51	64.20	47.34	99.03
Percent Other	12.91	17.99	4.53	1.63	—	4.63	11.02		.77	10.64	—	0.54	35.98	35.32	18.52	25.39	0.97
Number Responding	13	556	464	306	—	756	581		388	404	—	185	164	419	405	319	103
AGE																	
Median	64.78	62.57	63.74	63.57	—	65.73	65.17		66.07	64.40	—	64.04	65.20	64.08	65.93	65.43	65.86
Mean	64.93	62.80	64.00	63.96	—	65.70	65.40		65.63	64.71	—	64.03	65.00	64.34	66.04	65.29	66.15
Standard Deviation	4.16	3.73	4.05	4.26	—	4.41	4.07		4.35	4.72	—	3.85	4.64	4.08	3.92	4.12	3.86
Number Responding	13	573	462	306	—	757	583		389	404	—	185	164	418	404	321	103
SEX																	
Percent Female	48.17	47.92	45.91	52.29	—	48.94	46.83		47.81	48.02	—	51.35	48.78	46.19	53.33	45.20	43.69
Number Responding	13	578	464	306	—	758	583		389	404	—	185	164	420	405	323	103
TRANSIENCY																	
Percent One Move	12.29	1.90	8.19	18.57	—	4.21	4.46		35.27	4.95	—	20.00	9.26	26.00	7.41	4.02	15.53
Percent Two Moves	2.54	0.17	0.43	9.12	—	0.39	1.03		7.47	5.69	—	5.41	0.00	3.00	0.00	0.31	0.00
Percent Three or More Moves	.31	0.00	0.00	0.33	—	0.00	0.17		12.49	0.00	—	1.08	0.00	0.00	0.00	0.00	0.00
Number Responding	13	580	464	307	—	760	583		241	404	—	185	108	100	405	323	103

For instance the largest proportions of Blacks reside in the Northeastern, Northcentral, and Southern regions of the country, and persons of Spanish descent reside largely in the West. However, the NFT sample includes a much larger percentage of minority children than does the general population, both nationally and in each geographic region.

Table 5

Regional Ethnic Percentages in 1970*

	U.S. TOTAL	NORTHEAST	NORTHCENTRAL	SOUTH	WEST
Negro	11	19	20	53	8
Spanish Heritage	2	13	9.2	30.8	47

* Source: U.S. Bureau of the Census

Tables 1 through 4 also present descriptive characteristics of the NFT sample in terms of socioeconomic status indicators, i.e., median family income, mother's education, and occupation. Income and occupation are standard indicators of socioeconomic status, while mother's education is often associated with the level of educational environment in the home. Of late, family composition, specifically whether the home includes one or two parents, has been found to be related to the economic level of the family.**

The median income of the NFT pre-post group (see Table 1) is $6,569, a figure which is approximately $3,000 below the 1970 national population median of $9,590. However, the median NFT income varies considerably across area. With the exception of the Rural West, the median income for all areas is at least $1500 below the median national income in 1970. This suggests that the Rural West may not be a repre-

---

** Press release, November 4, 1973; "Congressional Subcommittee Releases Studies on the Growth in Illegitimacy, Fatherless Families and Welfare Roles." Also see: 1973, 93rd Congress, 1st session: Joint Economic Committee, Subcommittee on Fiscal Policy, Studies in Public Welfare (Vols. 1-12).

sentative sample of disadvantagement; no conclusion may be drawn at this time about the other areas.

The distribution of family income appears to be closely related to family composition, i.e., the areas with lower median income levels also tend to have the largest percentages of female-headed households. More specifically, large urban areas in the Northeast, Northcentral, and South, which have some of the lowest median income levels, are also areas which have the largest percentages of female-headed households. This pattern does not hold for the South rural and West large city areas where the median incomes are also low.

The median occupational levels represented in the NFT group tend to fall within a limited range of categories. For the West and Northcentral rural areas, the median occupational level falls among managers; clerical and sales workers (see Table 1 and Table 6). In West medium and Northeast and South small cities, median occupational level falls between sales and crafts; and for other areas, median occupational level falls between crafts and operatives. As can be seen in Table 6, these occupational categories are representative of the modal categories of the national population.

As can be seen in Table 1, the NFT group, on the average, has a greater proportion of mothers who have completed high school than does the national population (52 percent). This is primarily due to the proportions found in certain NFT areas (Northeastern small, Northcentral medium and rural, South small, and West medium and rural). For other areas, the proportion of mothers who have completed high school is as low or lower than that of the national sample.

In general the NFT sample is representative of the national population with respect to most demographic variables. The major difference is in median family income which averages $3000 below that of the national population. It appears that the NFT sample is more disadvantaged than the national population, but somewhat more advantaged than the FT sample.

Table 6

Occupation of 1970 National Population by Region for Whites and Blacks

	TOTAL	NORTHEAST			NORTHCENTRAL			SOUTH			WEST		
	U.S.	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
10* PROFESSIONAL, TECHNICAL AND KINDRED WORKERS (Engineers; Physicians, dentists, & related practitioners; Health workers; Elementary & Secondary school teachers; Technicians; Other professional workers)	14.82	15.89	16.40	9.15	13.85	14.19	8.27	13.64	14.83	7.57	16.97	17.30	11.08
11 FARMERS AND FARM MANAGERS	1.86	.55	.59	.17	3.34	3.59	.20	1.90	2.09	.96	1.28	1.33	.17
12 MANAGERS AND ADMINISTRATORS, EXCEPT FARM (Salaried: Manufacturing, retail trade, other industries; Self-employed: Retail trade, other industries)	8.32	8.19	8.67	2.77	7.72	8.14	2.34	8.39	9.70	1.98	9.41	9.84	3.26
13 CLERICAL AND KINDRED WORKERS (Bookkeepers; Secretaries, stenographers & typists; Other clerical workerr)	17.95	19.95	19.94	20.41	17.36	17.42	16.82	16.42	17.94	9.01	18.67	18.62	19.69
14 SALES WORKERS (Manufacturing & wholesale trade; Retail trade; Other industries)	7.11	7.22	7.61	2.94	6.88	7.22	2.71	6.95	8.02	1.69	7.63	7.96	3.26
15 CRAFTSMEN, FOREMEN, AND KINDRED WORKERS (Mechanics & repairmen; Machinists; Metal craftsmen; Carpenters; Construction craftsmen; Other craftsmen)	13.86	13.49	13.91	9.22	14.08	14.47	9.32	14.29	15.41	8.78	13.26	13.52	9.55
16 OPERATIVES, EXCEPT TRANSPORT (Durable & nondurable good manufacturing; Nonmanufacturing industries; Transport equipment operatives)	17.57	18.13	17.65	23.60	18.79	18.13	27.66	18.34	17.41	22.92	13.34	13.08	18.10
17 SERVICE WORKERS (Cleaning, food, health, personal, Protective service workers; Private household workers)	11.27	12.17	11.04	24.83	12.65	11.73	24.49	13.14	9.43	31.49	13.22	12.40	26.64
18 FARM LABORERS AND FARM FOREMEN	1.25	.45	.46	.37	1.04	1.09	.39	1.82	1.32	4.23	1.77	1.73	.82
19 LABORERS, EXCEPT FARM (Construction laborers; Freight, stock, & material handlers; Other laborers, except farm)	4.48	3.95	3.74	6.52	4.29	4.02	7.78	5.11	3.85	11.38	4.46	4.22	7.43

*Numbers reflect the coding given Highest Occupation in Household variable.

Preschool Experience

On the average, approximately 20 percent of the pupils in the NFT sample attended preschool. With the exception of Northcentral rural and West medium, those areas where 30 percent or more of the pupils attended preschool are also areas in which the children in the sample are considerably more disadvantaged than the national population. In most cases, preschool experience for the NFT sample is more likely Head Start than some other preschool program. These data suggest that federal intervention programs like Head Start are successful in recruiting the children for which they were designed.

Achievement

Figure 2 presented a visual display of the longitudinal test pattern for kindergarten through third grade. As can be seen, pupils were administered the Wide Range Achievement Test (WRAT) at entry to kindergarten and in the spring of the kindergarten year. At all other test points, the Metropolitan Achievement Test (MAT) was administered. Since the norming samples for the WRAT and MAT are quite different, any attempt to interpret the performance in a longitudinal context would be inappropriate and misleading. Therefore, entry level performance will be considered separately from other discussion of performance at subsequent periods.

In addition, the pre-post group will again be of primary concern since this group constitutes the largest sample of pupils who were tested at entry and at third grade. All discussions of interim test points will be made with reference to the longitudinal group. As can be seen in Tables 7 through 26, the cell sizes are drastically reduced when interim test points are required for sample selection. It should be remembered that the extent to which any of these data are representative of the performance of disadvantaged children generally is unknown at this time. As mentioned previously this concern will be explored in future work.

Pre-Post Group

Entry Level

There is wide variability across regions in entry level performance, as can be seen in Tables 7 through 11. Except for the West rural area, entry level performance on the fall kindergarten WRAT is within the entry kindergarten range; that is, achievement of pupils in the NFT sample is equivalent to the first one to five (0.1 to 0.5) months of kindergarten in Reading and Math as measured by this test. Pupils from West rural, however, perform at a level equivalent to 0.7 and 0.9 in Math, and about 1.0 in Reading. Scores in Spelling vary from a low of nursery, eight months (-1.2) in Southern large and rural sites to a high of -0.1 in Northcentral and West sites. In general, performance in spelling is equivalent to that of a prekindergarten level (-0.9 to -0.1 months).

Third Grade

For the most part, groups which score relatively high at entry also score relatively high at third grade. Thus, NFT groups from Northcentral small and West rural have the highest scores at the beginning kindergarten and at third grade.

Figure 3 summarizes third grade data for the Pre-Post Sample by comparing the means for each region against the MAT norm means. The following code is used to interpret Figure 3.

- + indicates that performance for the NFT sample is one-third to two-thirds of a standard deviation above the national norms.
- ++ indicates that performance for the NFT sample is greater than two-thirds standard deviation above the national norms.
- - indicates that performance for the NFT sample is one-third to two-thirds standard deviation below national norms.
- -- indicates the performance for the NFT sample is greater than two-thirds standard deviation below the national norms.

- All blank spaces indicate that there was no difference between the NFT sample and the MAT norm sample.

Figure 3

Summary of Third Grade Scores Relative to MAT Norm Scores for the Pre-Post Sample

	NORTHEAST				NORTHCENTRAL				SOUTH				WEST			
	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
Total Reading	-			▨	-		▨	+	--	▨		--	-		--	++
Word Knowledge	-			▨	-		▨	+	--	▨		-	-		-	++
Reading	-			▨	-		▨	+	--	▨		-	-		-	++
Total Mathematics	--	-	-	▨	--		▨		--	▨		--	--	-	--	++
Computations	-		-	▨	--		▨		--	▨		--	--	-	--	+
Concepts	-			▨	--		▨	+	--	▨		--	--		--	++
Problems	--	-	-	▨	--	-	▨		--	▨		--	--	--	--	+
Word Analysis	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Spelling				▨	-		▨	+	--	▨		-	-		-	+
Language	--	-	-	▨	--	-	▨		--	▨		--	--	-	--	+

Note: Grey-out indicates no data present.

As can be seen in Figure 3 the performance level of the groups generally falls into three categories: performance above, at or below MAT norm level. The pupils in Northcentral and West rural areas score one third of a standard deviation or more above the MAT norm mean on all MAT subtests. In contrast, the groups in the large cities in each region as well as the South rural and West small score one third or more of a standard deviation below the MAT mean on most subtests. The groups in the remaining areas score approximately at the MAT norm mean on the majority of the subtests.

Longitudinal Group

Tables 12 through 16 present data for the longitudinal group. This group is a subset of the pre-post group, representing the largest subset of pupils with interim test points. As can be seen in Tables 12 through 16 and 7 through 11, the longitudinal group approximates the pre-post group both in terms of background characteristics and scores, specifically in the relative position of the areas. For the most part, the same relative positions that held at entry and third grade in the pre-post group also hold with respect to entry level performance, first grade scores and third grade outcomes. Across most of the areas, performance at first grade is similar to performace at third grade although the first grade performance tends to be closer to the MAT norm mean (see Figure 4 and Figure 5). All groups appear to perform less well at third grade than they did at first. That is pupils from Northcentral rural areas whose performance is two-thirds of a standard deviation above MAT norm level at first grade score one-third of a standard deviation at first grade drop even further behind MAT norm levels in third grade. Note also that by requiring a first grade interim data point the West rural area does not appear in the longitudinal sample.

Other NFT Subsets

The Entry Level group and the Anyone with Data group are the only NFT groups which have not been considered thus far. As can be seen in Tables 7 through 21 and Tables 22 through 26, both the Anyone with Data and Entry Level groups are similar to each other and to the pre-post and the longitudinal groups in background characteristics and test performance. These groups are, for example, within approximately $100 to $200 range of each other in median income and within a few points in performance on the WRAT and MAT within each area. That these groups resemble each other across a number of variables permits generalizability across NFT even when different groups are examined. This is important for subsequent reports: both the Entry Level and the Longitudinal groups will be composed of a subset of the total NFT group. The degree to which they overlap will reduce the possibility of bias resulting from considering a smaller number of pupils, providing each of the groups is representative of disadvantaged children in general.

Summary

Basic descriptive data indicate that certain patterns exist in all four subsets we have explored. For example, family income level for the areas (region/city size) considered, average $3000 below the national median income. The percentage of children who attended preschool also tends to indicate, particularly when participation in Head Start is considered, that the children included in the NFT study approximates a sample which is relatively disadvantaged with respect to a national sample of pupils as reflected by the MAT norm sample. Although we cannot be certain whether the children included in each area's group are representative of disadvantaged children in general within the respective areas, the average differences between the study groups and the national population on the family income and percent Head Start variables suggest that these children are representative of some level of disadvantage. The performance level for these children in comparison with MAT norm scores appears to drop between the first and third grade scores. This phenomenon as seen in the NFT data will need to be explored further. In conclusion, the NFT sample appears to be demonstrating both economic and educational disadvantage.

Figure 4

Summary of First Grade Scores Relative to MAT Norm Scores for the Longitudinal Sample

	NORTHEAST				NORTHCENTRAL				SOUTH				WEST			
	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
Total Reading				▨			▨	++	--	▨	+	-			--	▨
Word Knowledge		+		▨			▨	++	--	▨	+	--			-	▨
Reading	-			▨			▨	++	-	▨					--	▨
Total Mathematics	-	-	-	▨	-		▨	+	--	▨		--	-		--	▨
Computations	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Concepts	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Problems	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Word Analysis			+	▨		+	▨	++	--	▨	+	-				▨
Spelling	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Language	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨

Figure 5

Summary of Third Grade Scores Relative to MAT Norm Scores for the Longitudinal Sample

	NORTHEAST				NORTHCENTRAL				SOUTH				WEST			
	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural	Large	Medium	Small	Rural
Total Reading				▨			▨	+	--	▨		--	-	-	-	▨
Word Knowledge				▨			▨	+	--	▨		--			-	▨
Reading	-	-		▨			▨	+	--	▨		--	-		-	▨
Total Mathematics	--	-	-	▨	-		▨		--	▨		--	--	--	--	▨
Computations	-	-	-	▨	-	-	▨		--	▨		--	--	--	--	▨
Concepts	-	-		▨			▨	+	--	▨		--	-	--	--	▨
Problems	--	-	-	▨	-	-	▨		--	▨	-	--	--	--	--	▨
Word Analysis	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
Spelling				▨			▨	+	--	▨		-	-		-	▨
Language	--	-	-	▨	-	--	▨		--	▨		--	--	--	--	▨

Note: Grey-out indicates no data present.

Table 7

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN
WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND EXIT AT THIRD GRADE
AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE NORTHEAST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					142.0	—	—	—	175.0	—	—	—	150.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	25.1	26.8	12.2	—	30.4	31.4	14.0	—	30.5	31.4	12.0	—	—	—	—	—
Reading	*	17.0	7.7	0.6	12.0	13.9	6.1	0.3	13.0	14.9	7.1	0.4	14.0	15.5	6.4	0.4	—	—	—	—
Arithmetic	*	12.7	4.4	0.6	9.0	9.1	4.7	0.2	11.0	10.4	4.7	0.4	11.0	10.6	4.2	0.4	—	—	—	—
Spelling	*	13.9	5.3	0.6	3.0	3.7	3.6	-0.9	5.0	6.1	4.4	-0.7	5.0	5.3	3.4	-0.7	—	—	—	—
SPRING 1972 KINDERGARTEN (N)					65.0	—	—	—	116.0	—	—	—	110.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	–	–	–	–	29.8	30.3	11.5	—	40.4	40.9	11.8	—	38.0	37.9	13.4	—	—	—	—	—
Reading	–	24.1	10.4	1.2	13.0	13.1	5.9	0.4	18.0	18.0	6.5	0.7	17.0	16.3	7.3	0.7	—	—	—	—
Arithmetic	–	17.1	4.7	1.2	9.0	8.3	3.8	0.2	10.0	9.7	3.0	0.3	10.0	9.6	3.2	0.3	—	—	—	—
Spelling	–	18.7	5.7	1.1	8.0	8.8	5.3	-0.1	13.0	13.1	5.2	0.5	12.0	12.0	5.3	0.4	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					50.0	—	—	—	111.0	—	—	—	102.0	—	—	—	—	—	—	—
Listening for Sounds	25.5	26.0	3.8	**	25.5	26.1	3.9	—	28.0	28.5	4.5	—	27.6	28.2	4.2	—	—	—	—	—
Reading	25.5	25.0	6.0	**	26.2	25.4	4.6	—	28.0	28.3	4.1	—	27.7	27.2	4.6	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	22.5	22.9	5.8	—	24.4	24.6	6.4	—	23.1	24.4	6.4	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					57.0	—	—	—	92.0	—	—	—	78.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	37.0	39.3	10.8	1.7	41.0	41.7	12.3	1.9	44.0	42.7	11.7	2.0	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	38.0	39.5	5.9	[illegible]	38.0	38.8	8.4	1.8	39.0	41.2	9.0	1.9	—	—	—	—
Reading	39.5	40.0	10.2	1.8	38.0	37.7	10.5	1.7	[illegible]	39.3	10.9	1.7	41.0	42.5	10.0	1.8	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	37.0	37.9	[illegible]	1.7	38.0	39.5	10.5	1.8	41.0	41.6	8.2	1.9	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	36.0	37.8	8.0	1.5	35.0	[illegible]	11.0	1.5	37.0	39.3	9.0	1.6	—	—	—	—
SPRING 1974 SECOND GRADE (N)					95.0	—	—	—	125.0	—	—	—	127.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	51.0	51.1	9.4	2.3	54.0	55.1	[illegible]	2.7	56.0	56.6	9.3	2.9	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	47.0	47.8	10.1	2.4	52.0	51.5	[illegible]	2.8	54.0	53.6	9.7	3.0	—	—	—	—
Reading	53.0	53.0	11.7	2.7	48.0	47.3	10.6	2.3	52.0	51.3	11.1	2.6	54.0	54.6	12.2	2.7	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	48.0	45.8	15.8	2.3	51.0	51.9	[illegible]	2.5	54.0	54.7	12.3	2.8	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	56.0	54.2	12.1	2.8	57.0	57.1	[illegible]	2.9	56.0	57.1	10.7	2.8	—	—	—	—
Math Computation	54.0	54.0	10.0	2.9	49.0	48.8	9.8	2.4	52.0	52.0	10.8	2.7	52.0	51.9	10.5	2.7	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	46.0	45.3	10.5	2.1	50.0	50.5	12.3	2.4	52.0	53.6	11.3	2.6	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	50.0	49.6	10.9	2.4	51.0	52.2	11.5	2.5	51.0	53.1	12.6	2.5	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	50.0	49.6	10.5	2.3	53.0	53.2	11.9	2.4	55.0	55.0	11.5	2.5	—	—	—	—
SPRING 1975 THIRD GRADE (N)					142.0	—	—	—	175.0	—	—	—	150.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	58.9	12.8	3.1	63.0	61.7	12.7	3.6	64.0	64.1	12.7	3.7	—	—	—	—
Reading	61.5	62.0	13.6	3.5	55.0	55.5	11.0	2.8	59.0	58.8	14.2	3.2	59.0	61.2	15.1	3.2	—	—	—	—
Total Reading	61.0	62.0	13.0	3.5	55.0	56.0	11.1	2.9	59.0	59.3	13.3	3.3	61.0	61.9	14.1	3.5	—	—	—	—
Language	70.0	70.0	13.0	4.0	57.0	58.3	10.1	2.7	60.0	63.4	14.0	3.0	61.0	63.5	13.1	3.1	—	—	—	—
Spelling	64.0	64.0	12.3	3.6	65.0	62.5	14.0	3.7	65.0	63.4	13.3	3.7	65.0	64.6	11.5	3.7	—	—	—	—
Math Computation	65.5	65.0	10.7	3.9	60.0	59.9	12.6	3.3	64.0	63.7	12.4	3.7	61.0	60.5	12.3	3.4	—	—	—	—
Math Concepts	67.0	66.0	12.4	3.8	59.0	58.1	10.5	3.1	63.0	62.8	14.0	3.4	63.0	64.1	13.1	3.4	—	—	—	—
Math Problem Solving	68.0	68.0	13.1	3.7	58.0	56.9	12.5	3.0	62.0	62.0	15.2	3.2	60.0	60.6	15.3	3.1	—	—	—	—
Total Mathematics	70.5	70.0	12.0	3.8	62.0	61.2	11.8	3.1	67.0	66.0	14.2	3.5	64.0	64.9	13.8	3.3	—	—	—	—

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.
**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 8

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE NORTH CENTRAL REGION.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					226.0	—	—	—	234.0	—	—	—					241			—
Wide Range Achievement Test																				
Total Score	*	*	*	*	29.2	30.8	12.7	—	31.0	31.4	12.2	—					36.1	35.9	13.2	—
Reading	*	17.0	7.7	0.6	12.0	14.2	6.4	0.3	13.0	14.5	6.1	0.4					14.0	10.0	6.9	0.4
Arithmetic	*	12.7	4.4	0.6	11.0	11.0	4.2	0.4	11.0	11.0	4.4	0.4					18.0	11.9	4.3	0.6
Spelling	*	13.9	5.3	0.6	5.0	5.5	4.4	-0.7	5.0	5.9	4.1	-0.7					9.0	8.4	4.5	-0.1
SPRING 1972 KINDERGARTEN (N)					126.0	—	—	—	124.0	—	—	—					141.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	35.7	37.9	11.5	—	36.5	39.5	14.3	—					39.9	40.2	12.2	—
Reading	-	24.1	10.4	1.2	15.0	16.4	5.9	0.5	17.0	17.9	7.9	0.7					17.0	17.9	6.6	0.7
Arithmetic	-	17.1	4.7	1.2	9.0	9.8	3.2	0.2	10.0	9.8	3.5	0.3					11.0	10.7	2.8	0.4
Spelling	-	18.7	5.7	1.1	11.0	11.8	4.6	0.3	11.0	11.9	5.8	0.3					11.0	11.6	4.9	0.3
Metropolitan Achievement Test (Primer) (N)					122.0	—	—	—	115.0	—	—	—					140.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	27.2	27.8	4.5	—	26.8	28.0	5.8	—					27.1	28.0	4.7	—
Reading	25.5	25.0	6.0	**	26.7	26.9	3.9	—	26.8	27.3	4.8	—					27.2	27.0	4.3	—
Numbers	23.0	24.0	9.3	**	22.4	23.6	6.1	—	24.8	26.5	8.1	—					26.1	27.0	5.5	—
SPRING 1973 FIRST GRADE (N)					59.0	—	—	—	104.0	—	—	—					132	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	43.0	42.4	12.2	1.9	43.0	44.2	11.4	1.9					51.0	49.2	10.0	2.5
Word Analysis	37.5	38.0	8.5	1.8	37.0	38.5	9.6	1.7	40.0	41.7	8.0	1.9					46.0	45.9	8.4	2.3
Reading	39.5	40.0	10.2	1.8	41.0	42.2	10.6	1.8	41.0	42.2	9.7	1.8					49.0	49.8	10.9	2.3
Total Reading	40.0	40.0	10.0	1.9	42.0	41.3	10.4	2.0	41.0	42.2	9.2	1.9					48.0	48.3	9.6	2.3
Total Mathematics	42.0	43.0	12.6	1.8	36.0	38.2	13.2	1.5	38.0	40.1	8.5	1.6					49.0	49.7	11.3	2.2
SPRING 1974 SECOND GRADE (N)					101.0	—	—	—	144.0	—	—	—					148.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	55.0	56.3	12.0	2.8	56.0	55.9	9.0	2.9					59.0	59.8	10.0	3.2
Word Analysis	52.0	52.0	10.4	2.8	53.0	50.3	10.9	2.9	56.0	54.6	9.6	3.2					58.0	55.6	8.2	3.4
Reading	53.0	53.0	11.7	2.7	53.0	52.9	13.0	2.7	53.0	52.8	10.4	2.7					57.0	57.4	10.8	3.0
Total Reading	52.5	54.0	10.9	2.7	52.0	53.7	14.5	2.6	53.0	53.2	11.0	2.7					57.0	57.8	11.2	3.1
Spelling	56.5	57.0	11.4	2.9	56.0	55.1	11.8	2.8	58.0	58.8	10.3	3.0					62.0	62.8	9.9	3.4
Math Computations	54.0	54.0	10.0	2.9	51.0	50.0	10.3	2.6	52.0	51.5	9.3	2.7					55.0	55.0	9.8	2.9
Math Concepts	57.0	58.0	11.8	3.0	50.0	51.3	12.5	2.4	53.0	52.9	11.2	2.7					59.0	59.4	12.3	3.1
Math Problem Solving	57.0	57.0	12.1	2.9	51.0	52.0	11.9	2.5	54.0	53.7	11.7	2.7					58.0	57.4	11.1	3.0
Total Mathematics	57.0	58.0	11.1	2.7	52.0	52.7	11.8	2.4	55.0	54.6	10.5	2.5					58.0	59.3	11.1	2.8
SPRING 1975 THIRD GRADE (N)					226.0	—	—	—	234.0	—	—	—					241			
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	58.3	12.7	3.1	64.0	63.4	11.2	3.7					69.0	69.3	11.0	4.4
Reading	61.5	62.0	13.6	3.5	55.0	55.3	13.5	2.8	60.0	59.9	13.2	3.3					67.0	67.1	12.8	4.1
Total Reading	61.0	62.0	13.0	3.5	55.0	55.7	13.4	2.9	61.0	60.9	12.1	3.5					67.0	67.6	11.9	4.2
Language	70.0	70.0	13.0	4.0	57.0	59.0	10.8	2.7	60.0	62.0	11.3	3.9					75.0	73.0	12.4	4.7
Spelling	64.0	64.0	12.3	3.6	61.0	59.1	13.2	3.3	65.0	64.9	11.5	3.7					69.0	68.5	9.5	4.3
Math Computations	65.5	66.0	10.7	3.9	58.0	57.4	10.6	3.2	63.0	62.5	9.8	3.6					67.0	67.2	9.7	4.0
Math Concepts	67.0	66.0	12.4	3.8	59.0	58.7	12.1	3.1	66.0	65.9	11.9	3.7					71.0	70.8	10.6	4.2
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	57.3	12.8	2.8	65.0	63.5	13.3	3.4					70.0	69.5	12.1	3.9
Total Mathematics	70.5	70.0	12.0	3.8	60.0	60.5	12.1	3.0	67.0	67.5	11.6	3.5					73.0	73.0	10.5	4.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 9

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE SOUTH.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					157.0	—	—	—	—	—	—	—	104.0	—	—	—	108	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	19.7	21.0	10.7	—	—	—	—	—	28.3	30.5	13.0	—	221	22.9	9.4	—
Reading	*	17.0	7.7	0.6	10.0	10.7	5.6	0.2	—	—	—	—	13.0	14.4	5.8	0.4	10.0	9.8	4.9	0.2
Arithmetic	*	12.7	4.4	0.6	8.0	8.0	4.3	0.1	—	—	—	—	10.0	10.3	4.8	0.3	9.0	9.3	3.5	0.2
Spelling	*	13.9	5.3	0.6	2.0	2.4	2.5	-1.2	—	—	—	—	6.0	5.9	4.2	-0.5	3.0	3.8	3.5	-0.9
SPRING 1972 KINDERGARTEN (N)					100.0	—	—	—	—	—	—	—	85.0	—	—	—	48.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	29.1	29.1	10.1	—	—	—	—	—	36.0	34.3	15.1	—	24.5	25.9	10.8	—
Reading	-	24.1	10.4	1.2	13.0	12.4	5.7	0.4	—	—	—	—	15.0	14.6	7.5	0.5	8.0	8.7	6.9	-0.1
Arithmetic	-	17.1	4.7	1.2	8.0	7.4	2.8	0.1	—	—	—	—	9.0	8.7	3.5	0.2	9.0	8.6	2.3	0.2
Spelling	-	18.7	5.7	1.1	9.0	9.3	4.0	0.1	—	—	—	—	11.0	10.9	5.5	0.3	9.0	8.6	4.8	0.1
Metropolitan Achievement Test (Primer) (N)					93.0	—	—	—	—	—	—	—	79.0	—	—	—	27.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	24.4	24.7	3.7	—	—	—	—	—	26.6	27.1	4.7	—	24.8	26.2	4.3	—
Reading	25.5	25.0	6.0	**	25.2	24.5	4.1	—	—	—	—	—	27.1	25.7	5.2	—	26.1	24.6	4.3	—
Numbers	23.0	24.0	9.3	**	20.2	19.3	5.8	—	—	—	—	—	23.2	22.7	6.4	—	21.7	21.0	4.2	—
SPRING 1973 FIRST GRADE (N)					46.0	—	—	—	—	—	—	—	40.0	—	—	—	.50	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	30.0	32.0	11.1	1.4	—	—	—	—	42.0	45.1	12.9	1.9	35.0	35.3	7.2	1.6
Word Analysis	37.5	38.0	8.5	1.8	32.0	32.0	7.1	1.4	—	—	—	—	39.0	42.0	9.9	1.9	35.0	34.9	5.1	1.6
Reading	39.5	40.0	10.2	1.8	35.0	34.9	6.6	1.5	—	—	—	—	42.0	42.1	12.7	1.9	39.0	38.0	6.1	1.7
Total Reading	40.0	40.0	10.0	1.9	30.0	32.4	8.2	1.4	—	—	—	—	40.0	42.7	11.9	1.9	37.0	36.4	5.8	1.7
Total Mathematics	42.0	43.0	12.6	1.8	29.0	28.1	8.4	1.2	—	—	—	—	39.0	40.8	10.2	1.7	33.0	32.1	7.0	1.4
SPRING 1974 SECOND GRADE (N)					78.0	—	—	—	—	—	—	—	97.0	—	—	—	32.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	45.0	45.5	9.1	2.0	—	—	—	—	58.0	58.9	10.1	3.1	51.0	47.7	9.3	2.5
Word Analysis	52.0	52.0	10.4	2.8	40.0	41.5	11.0	1.9	—	—	—	—	55.0	53.3	10.0	3.1	43.0	41.7	10.6	2.1
Reading	53.0	53.0	11.7	2.7	41.0	41.7	8.9	1.8	—	—	—	—	56.0	56.6	12.0	2.9	47.0	44.3	8.8	2.2
Total Reading	52.5	54.0	10.9	2.7	41.0	36.4	18.3	1.9	—	—	—	—	56.0	55.9	15.4	3.0	48.0	42.9	13.5	2.3
Spelling	56.5	57.0	11.4	2.9	45.0	46.8	11.7	2.0	—	—	—	—	60.0	59.5	11.7	3.1	49.0	50.2	11.2	2.3
Math Computation	54.0	54.0	10.0	2.9	44.0	42.5	8.5	2.1	—	—	—	—	55.0	56.1	11.8	2.9	44.0	43.9	10.3	2.1
Math Concepts	57.0	58.0	11.8	3.0	42.0	41.2	8.8	1.9	—	—	—	—	56.0	54.9	10.2	2.9	41.0	43.8	9.3	1.8
Math Problem Solving	57.0	57.0	12.1	2.9	43.0	44.5	7.8	2.0	—	—	—	—	55.0	56.1	10.0	2.8	43.0	44.1	8.4	2.0
Total Mathematics	57.0	58.0	11.1	2.7	43.0	43.5	8.6	1.9	—	—	—	—	57.0	57.8	10.2	2.7	46.0	45.0	9.5	2.0
SPRING 1975 THIRD GRADE (N)					157.0	—	—	—	—	—	—	—	104.0	—	—	—	108		—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	51.0	51.3	11.1	2.5	—	—	—	—	67.0	65.6	10.1	4.1	56.0	55.5	8.1	2.9
Reading	61.5	62.0	13.6	3.5	50.0	49.1	10.6	2.4	—	—	—	—	64.0	63.8	13.8	3.7	53.0	53.1	10	2.7
Total Reading	61.0	62.0	13.0	3.5	49.0	48.4	11.5	2.4	—	—	—	—	65.0	64.0	11.6	3.9	53.0	53.0	8.8	2.7
Language	70.0	70.0	13.0	4.0	56.0	55.9	8.6	2.6	—	—	—	—	69.0	68.7	10.6	3.9	59.0	58.6	8.4	2.9
Spelling	64.0	64.0	12.3	3.6	52.0	53.4	12.5	2.5	—	—	—	—	66.0	65.1	11.8	3.9	61.0	59.3	13.7	3.3
Math Computation	65.5	66.0	10.7	3.9	53.0	52.5	9.6	2.8	—	—	—	—	66.0	66.6	11.1	3.9	58.0	57.1	10.7	3.2
Math Concepts	67.0	66.0	12.4	3.8	51.0	52.5	10.7	2.5	—	—	—	—	67.0	67.8	11.5	3.8	56.0	56.5	9.6	2.9
Math Problem Solving	68.0	68.0	13.1	3.7	53.0	51.9	10.9	2.7	—	—	—	—	65.0	67.0	12.4	3.4	58.0	56.7	11.3	3.0
Total Mathematics	70.5	70.0	12.0	3.8	53.0	54.2	10.3	2.4	—	—	—	—	70.0	70.9	11.7	3.7	60.0	59.4	10.5	3.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 10

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE WEST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					100	--	—	—	168.0	—	—	—	118.0	—	—	—	49.0			
Wide Range Achievement Test																				
Total Score	*	*	*	*	32.3	33.0	11.5	—	30.8	32.8	12.4	—	27.7	28.2	10.8	—	44.0	43.1	8.6	--
Reading	*	17.0	7.7	0.6	16.0	16.0	6.1	.06	12.0	14.7	6.3	0.3	11.0	12.5	4.9	0.2	23.0	20.5	5.4	1.1
Arithmetic	*	12.7	4.4	0.6	12.0	10.7	4.4	.05	12.0	11.5	4.2	0.5	11.0	10.3	4.0	0.4	15.0	13.8	3.3	0.9
Spelling	*	13.9	5.3	0.6	6.0	6.2	3.7	-.05	6.0	6.6	4.3	-0.5	5.0	5.4	4.2	-0.7	8.0	8.8	3.5	-0.1
SPRING 1972 KINDERGARTEN (N)					12.0	—	—	—	91.0	—	—	—	80.0	—	—	—	0.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	37.5	38.9	15.8	—	35.2	36.8	12.4	—	31.5	31.8	9.2	—	—	—	—	—
Reading	-	24.1	10.4	1.2	17.0	16.7	7.3	0.7	15.0	15.6	6.1	0.5	13.0	12.9	5.8	0.4	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	12.0	11.2	3.6	0.5	10.0	10.4	3.0	0.3	9.0	9.0	2.4	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	10.0	11.1	6.5	0.2	10.0	10.9	5.2	0.2	10.0	9.9	3.8	0.2	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					12.0	—	—	—	85.0	—	—	—	78.0	—	—	—	0.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.5	27.8	5.1	—	27.2	28.2	4.5	—	26.2	26.5	3.4	—	—	—	—	—
Reading	25.5	25.0	6.0	**	25.5	26.4	5.5	—	26.1	26.1	4.4	—	24.8	24.4	4.0	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	24.0	26.5	8.1	—	24.6	24.9	6.0	—	21.5	22.4	4.8	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					49		—	—	48.0	—	—	—	59.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	38.0	39.7	11.0		38.0	41.2	11.9	1.7	34.0	33.5	9.0	1.5	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	37.0	38.2	9.1	1.7	38.0	39.5	6.5	1.8	35.0	35.7	5.5	1.6	—	—	—	—
Reading	39.5	40.0	10.2	1.8	37.0	37.7	8.8	1.6	38.0	38.5	10.0	1.7	31.0	32.5	7.0	1.4	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	36.0	27.8	9.0	1.7	37.0	38.7	9.9	1.7	31.0	32.2	7.1	1.5	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	34.0	36.3	11.8	1.4	37.0	39.2	9.3	1.6	33.0	33.1	8.3	1.4	—	—	—	—
SPRING 1974 SECOND GRADE (N)					22.0	—	—	—	85.0	—	—	—	93.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	56.0	56.2	10.5	2.9	52.0	53.7	10.1	2.5	49.0	48.7	7.6	2.3	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	56.0	54.8	10.0	3.2	53.0	52.6	10.3	2.9	45.0	46.5	8.0	2.3	—	—	—	—
Reading	53.0	53.0	11.7	2.7	54.0	53.0	10.3	2.7	51.0	50.4	11.1	2.5	46.0	45.3	9.7	2.1	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	54.0	54.1	11.6	2.8	50.0	49.3	15.4	2.5	47.0	44.4	12.9	2.3	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	58.0	57.8	11.6	3.0	57.0	56.2	11.6	2.9	49.0	48.8	7.7	2.3	—	—	—	—
Math Computations	54.0	54.0	10.0	2.9	46.0	48.4	11.3	2.2	54.0	53.4	10.6	2.9	50.0	48.9	8.1	2.5	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	50.0	51.6	13.1	2.4	51.0	51.2	10.4	2.5	50.0	47.8	8.8	2.4	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	46.0	49.2	11.9	2.2	52.0	51.7	12.6	2.6	49.0	48.2	8.9	2.3	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	51.4	12.8	2.3	55.0	54.3	10.6	2.5	52.0	50.2	8.2	2.4	—	—	—	—
SPRING 1975 THIRD GRADE (N)					100	—	—	—	168.0	—	—	—	118.0	—	—	—	49.0	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	57.2	12.0	3.1	64.0	63.1	11.9	3.7	56.0	55.9	10.6	2.9	74.0	75.9	12.7	5.2
Reading	61.5	62.0	13.6	3.5	55.0	54.9	11.4	2.8	59.0	60.1	13.3	3.2	53.0	53.4	10.4	2.7	71.0	72.5	9.7	4.5
Total Reading	61.0	62.0	13.0	3.5	56.0	54.8	11.7	3.0	59.0	60.9	12.1	3.3	53.0	53.3	10.6	2.7	72.0	73.1	10.7	4.8
Language	70.0	70.0	13.0	4.0	56.0	57.1	10.0	2.6	61.0	63.6	11.5	3.1	57.0	57.2	9.1	2.7	76.0	76.1	11.2	4.8
Spelling	64.0	64.0	12.3	3.6	59.0	57.0	12.4	3.0	65.0	63.1	11.0	3.7	56.0	56.6	10.6	2.8	69.0	71.5	10.5	4.3
Math Computations	65.5	66.0	10.7	3.9	57.0	56.2	10.4	3.1	62.0	60.5	10.7	3.5	55.0	54.8	9.8	2.9	69.0	70.3	7.5	4.2
Math Concepts	67.0	66.0	12.4	3.8	57.0	58.7	11.2	3.0	63.0	62.5	13.6	3.4	57.0	56.5	10.2	3.0	77.0	76.2	8.6	4.9
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	56.1	12.3	2.8	62.0	59.4	14.5	3.2	55.0	56.5	11.7	2.8	76.0	74.7	9.1	4.6
Total Mathematics	70.5	70.0	12.0	3.8	60.0	39.7	11.0	3.0	65.0	64.0	13.1	3.3	58.0	58.4	10.7	2.8	80.0	77.9	7.8	4.7

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 11

STANDARDIZED SCORES FOR THE TOTAL NON-FOLLOW THROUGH ENTRY POPULATION.

	PUBLISHER'S DATA				ALL GROUPS			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					13.0	—	—	—
Wide Range Achievement Test								
Total Score	*	*	*	*	27.8	29.0		
Reading	*	17.0	7.7	0.6	12.0	13.7	—	0.3
Arithmetic	*	12.7	4.4	0.6	10.0	10.0	—	0.3
Spelling	[illegible]	13.9	5.3	0.6	5.0	5.3	—	-0.7
SPRING 1972 KINDERGARTEN (N)					12.0	—	—	—
Wide Range Achievement Test								
Total Score	-	-	-	-	32.9	33.8	—	—
Reading	-	24.1	10.4	1.2	14.0	14.3	—	0.4
Arithmetic	-	17.1	4.7	1.2	9.0	9.1	—	0.2
Spelling	-	18.7	5.7	1.1	10.0	10.5	—	0.2
Metropolitan Achievement Test (N) (Primer)					12.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.2	26.8	—	—
Reading	25.5	25.0	6.0	**	26.2	25.6	—	—
Numbers	23.0	24.0	9.3	**	22.6	23.2	—	—
SPRING 1973 FIRST GRADE (N)					12.0		—	—
Metropolitan Achievement Test (Primary I)								
Word Knowledge	41.0	41.0	11.6	1.9	38.0	35.4	—	1.7
Word Analysis	37.5	38.0	8.5	1.8	37.0	37.8	—	1.7
Reading	39.5	40.0	10.2	1.8	38.0	38.6	—	1.7
Total Reading	40.0	40.0	10.0	1.9	38.0	38.0	—	1.8
Total Mathematics	42.0	43.0	12.6	1.8	35.0	36.5	—	1.5
SPRING 1974 SECOND GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary II)								
Word Knowledge	54.0	55.0	10.2	2.7	53.0	53.2	—	2.6
Word Analysis	52.0	52.0	10.4	2.8	50.0	49.5	—	2.6
Reading	53.0	53.0	11.7	2.7	50.0	50.3	—	2.4
Total Reading	52.5	54.0	10.9	2.7	51.0	49.0	—	2.5
Spelling	56.5	57.0	11.4	2.9	54.0	54.5	—	2.6
Math Computations	54.0	54.0	10.0	2.9	50.0	49.7	—	2.5
Math Concepts	57.0	58.0	11.8	3.0	50.0	49.8	—	2.4
Math Problem Solving	57.0	57.0	12.1	2.9	50.0	50.5	—	2.4
Total Mathematics	57.0	58.0	11.1	2.7	52.0	51.7	—	2.4
SPRING 1975 THIRD GRADE (N)					13.0	—	—	—
Metropolitan Achievement Test (Elementary)								
Word Knowledge	63.5	63.0	12.0	3.7	62.0	61.6	—	3.5
Reading	61.5	62.0	13.6	3.5	58.0	58.8	—	3.1
Total Reading	61.0	62.0	13.0	3.5	59.0	59.1	—	3.3
Language	70.0	70.0	13.0	4.0	62.0	62.8	—	3.2
Spelling	64.0	64.0	12.3	3.6	68.0	62.2	—	3.5
Math Computations	65.5	66.0	10.7	3.9	61.0	60.7	—	3.4
Math Concepts	67.0	66.0	12.4	3.8	62.0	62.4	—	3.3
Math Problem Solving	68.0	68.0	13.1	3.7	61.0	61.0	—	3.1
Total Mathematics	70.5	70.0	12.0	3.8	64.0	64.4	—	3.3

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

*** Totals reflect an average value across region-citysize strata.

Table 12

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN
WHO WERE TESTED AT ENTRY TO KINDERGARTEN, FIRST GRADE
AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA
BY CITYSIZE IN THE NORTHEAST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					57.0	—	—	—	92.0	—	—	—	78.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	25.4	26.6	11.5	—	30.2	30.6	13.2	—	26.3	30.0	11.5	—	—	—	—	—
Reading	*	17.0	7.7	0.6	12.0	13.8	6.2	0.3	13.0	14.8	6.9	0.4	13.0	14.8	6.3	0.4	—	—	—	—
Arithmetic	*	12.7	4.4	0.6	8.0	9.3	4.8	0.1	10.0	10.3	4.6	0.3	11.0	10.5	4.1	0.4	—	—	—	—
Spelling	*	13.9	5.3	0.6	3.0	3.5	3.4	-0.9	5.0	5.5	4.2	-0.7	4.0	4.6	3.2	-0.8	—	—	—	—
SPRING 1972 KINDERGARTEN (N)					26.0	—	—	—	64.0	—	—	—	59.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	–	–	–	–	32.5	32.0	10.6	—	40.7	40.2	12.0	—	34.3	36.9	13.3	—	—	—	—	—
Reading	–	24.1	10.4	1.2	15.0	13.9	5.8	0.5	18.0	18.0	6.7	0.7	16.0	15.9	7.4	0.6	—	—	—	—
Arithmetic	–	17.1	4.7	1.2	9.0	8.9	3.5	0.2	10.0	9.5	3.1	0.3	9.0	9.3	2.8	0.2	—	—	—	—
Spelling	–	18.7	5.7	1.1	10.0	9.2	5.1	0.2	13.0	12.7	5.0	0.5	11.0	11.6	5.5	0.3	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					21.0	—	—	—	61.0	—	—	—	54.0	—	—	—	—	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.3	26.4	3.8	—	27.6	27.8	3.8	—	27.3	27.9	4.3	—	—	—	—	—
Reading	25.5	25.0	6.0	**	27.3	26.5	3.3	—	27.9	28.2	4.2	—	27.5	27.1	4.5	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	22.3	23.2	4.1	—	24.3	24.5	4.3	—	22.3	24.0	6.2	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					57.0	—	—	—	92.0	—	—	—	78.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.0	1.9	37.0	39.3	10.8	1.7	41.0	41.7	12.3	1.9	44.0	42.7	11.7	2.0	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	38.0	38.5	5.9	1.8	38.0	38.8	8.4	1.8	39.0	41.2	9.0	1.9	—	—	—	—
Reading	39.5	40.0	10.2	1.8	38.0	37.7	10.5	1.7	39.0	39.3	10.9	1.7	41.0	42.5	10.0	1.8	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	37.0	37.9	9.7	1.7	38.0	39.5	10.5	1.8	41.0	41.6	8.2	1.9	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	36.0	37.8	8.0	1.5	35.0	36.7	11.0	1.5	37.0	39.3	9.0	1.6	—	—	—	—
SPRING 1974 SECOND GRADE (N)					38.0	—	—	—	68.0	—	—	—	72.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	51.0	51.6	8.6	2.5	53.0	53.7	9.7	2.6	55.0	54.8	6.9	2.8	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	47.0	47.7	8.6	2.4	50.0	49.5	10.6	2.6	53.0	52.0	9.2	2.9	—	—	—	—
Reading	53.0	53.0	11.7	2.7	49.0	46.9	8.7	2.3	50.0	49.8	11.3	2.4	53.0	52.7	9.8	2.7	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	48.0	46.8	12.6	2.3	50.0	50.1	12.9	2.5	53.0	52.5	10.0	2.7	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	56.0	56.0	11.2	2.6	57.0	55.6	11.8	2.9	55.0	55.8	10.0	2.7	—	—	—	—
Math Computations	54.0	54.0	10.0	2.9	49.0	48.1	8.3	2.4	51.0	49.7	11.2	2.6	51.0	51.4	10.4	2.6	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	46.0	45.0	9.3	2.1	48.0	47.6	11.5	2.2	52.0	52.5	10.5	2.6	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	51.0	48.8	9.4	2.5	50.0	50.0	11.8	2.4	51.0	52.0	12.4	2.5	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	49.1	8.7	2.3	51.0	50.4	12.4	2.3	54.0	54.2	11.1	2.5	—	—	—	—
SPRING 1975 THIRD GRADE (N)					57.0	—	—	—	92.0	—	—	—	78.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	61.0	61.4	13.2	3.4	61.0	60.8	12.4	3.4	63.0	62.1	9.9	3.6	—	—	—	—
Reading	61.5	62.0	13.6	3.5	56.0	57.3	9.6	2.9	57.0	57.3	13.6	3.0	57.0	58.3	13.2	3.0	—	—	—	—
Total Reading	61.0	62.0	13.0	3.5	59.0	58.3	10.6	3.3	59.0	58.0	12.3	3.3	59.0	59.5	11.3	3.3	—	—	—	—
Language	70.0	70.0	13.0	4.0	59.0	60.0	9.8	2.9	60.0	62.4	13.4	3.0	61.0	62.9	12.2	3.1	—	—	—	—
Spelling	64.0	64.0	12.3	3.6	67.0	64.7	13.4	4.1	64.0	61.7	13.2	3.6	65.0	64.1	10.3	3.7	—	—	—	—
Math Computations	65.5	66.0	10.7	3.9	60.0	60.5	11.6	3.3	63.0	62.3	13.0	3.6	60.0	60.3	12.1	3.3	—	—	—	—
Math Concepts	67.0	66.0	12.4	3.8	60.0	58.2	9.5	3.2	60.0	61.3	14.3	3.2	63.0	62.8	13.1	3.4	—	—	—	—
Math Problem Solving	68.0	68.0	13.1	3.7	58.0	56.9	11.3	3.0	59.0	60.0	16.0	3.0	60.0	59.6	14.7	3.1	—	—	—	—
Total Mathematics	70.5	70.0	12.0	3.8	62.0	61.5	10.5	3.1	65.0	64.3	14.7	3.3	63.0	64.0	13.4	3.2	—	—	—	—

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 13

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN, FIRST GRADE AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE NORTH CENTRAL REGION.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					59.0	—	—	—	104.0	—	—	—					132	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	32.3	34.4	12.5	—	29.0	30.3	11.9	—					37.0	36.3	12.7	—
Reading	*	17.0	7.7	0.6	14.0	15.5	6.8	0.4	12.0	14.0	6.0	0.3					14.0	15.7	6.8	0.4
Arithmetic	*	12.7	4.4	0.6	12.0	12.2	3.8	0.5	11.0	10.9	4.5	0.4					13.0	12.1	4.2	0.5
Spelling	*	13.9	5.3	0.6	6.0	6.8	4.7		5.0	5.5	4.0	-0.7					9.0	8.6	4.4	0.1
SPRING 1972 KINDERGARTEN (N)					51.0	—	—	—	57.0	—	—	—					76			—
Wide Range Achievement Test																				
Total Score	-	-	-	-	37.0	39.7	11.6	—	36.4	40.2	14.2	—					40.0	[illegible]	12.4	—
Reading	-	24.1	10.4	1.2	16.0	17.0	6.0	0.6	17.0	18.6	7.9	0.7					17.0	18.2	6.8	0.7
Arithmetic	-	17.1	4.7	1.2	9.0	9.9	3.7	0.2	10.0	9.8	3.7	0.3					11.0	10.8	2.7	0.4
Spelling	-	18.7	5.7	1.1	13.0	12.8	4.4	0.5	11.0	11.8	5.7	0.3					11.0	11.7	5.0	0.3
Metropolitan Achievement Test (Primer) (N)					49.0	—	—	—	51.0	—	—	—								—
Listening for Sounds	25.5	26.0	5.8	**	27.8	28.7	4.8	—	26.6	27.7	6.0	—					26.9	27.9	4.9	—
Reading	25.5	25.0	6.0	**	27.2	27.4	4.1	—	27.0	27.4	4.5	—					22.3	27.2	4.3	—
Numbers	23.0	24.0	9.3	**	22.4	24.4	6.5	—	25.4	27.2	7.7	—					25.3	27.5	5.	—
SPRING 1973 FIRST GRADE (N)					59.0	—	—	—	104.0	—	—	—					132			—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	43.0	42.4	12.2	1.9	43.0	44.2	11.4	1.9					51.0	49.2		2.
Word Analysis	37.5	38.0	8.5	1.8	37.0	38.5	9.6	1.7	40.0	41.7	8.0	1.9					46.0	45.9	8.4	2.3
Reading	39.5	40.0	10.2	1.8	41.0	42.2	10.6	1.8	41.0	42.2	9.7	1.8					49.0	49.8	10.9	2.3
Total Reading	40.0	40.0	10.0	1.9	42.0	41.3	10.4	2.0	41.0	42.2	9.2	1.9					48.0	48.4	9.4	2.3
Total Mathematics	42.0	43.0	12.6	1.8	36.0	38.2	13.2	1.5	38.0	40.1	8.5	1.6					49.0	49.7	11.3	2.2
SPRING 1974 SECOND GRADE (N)					36.0	—	—	—	67.0	—	—	—					81.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	56.0	57.2	10.5	2.9	57.0	56.3	9.7	3.0					59.0	60.4	10.0	3.2
Word Analysis	52.0	52.0	10.4	2.8	53.0	51.6	10.6	2.9	55.0	54.2	9.6	3.1					58.0	55.7	8.2	3.4
Reading	53.0	53.0	11.7	2.7	54.0	54.4	13.0	2.7	53.0	53.4	11.3	2.7					57.0	58.1	11.5	3.0
Total Reading	52.5	54.0	10.9	2.7	54.0	54.7	14.6	2.8	55.0	53.2	13.3	2.9					57.0	58.8	10.6	3.1
Spelling	56.5	57.0	11.4	2.9	57.0	55.9	11.4	2.9	57.0	58.4	10.4	2.9					62.0	63.1	10.2	3.4
Math Computation	54.0	54.0	10.0	2.9	51.0	50.6	9.8	2.6	53.0	51.5	8.7	2.8					56.0	56.1	10.0	3.0
Math Concepts	57.0	58.0	11.8	3.0	50.0	51.4	13.2	2.4	53.0	53.5	11.1	2.7					61.0	61.1	13.1	3.3
Math Problem Solving	57.0	57.0	12.1	2.9	54.0	53.4	10.5	2.7	55.0	54.4	11.5	2.8					60.0	59.3	11.8	3.1
Total Mathematics	57.0	58.0	11.1	2.7	53.0	53.3	11.3	2.4	57.0	55.1	9.7	2.7					61.0	61.0	11.4	3.1
SPRING 1975 THIRD GRADE (N)					59.0	—	—	—	104.0	--	—	—					132			—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	63.0	61.9	13.1	3.6	64.0	63.6	10.5	3.7					69.0	69.4	10.9	4.4
Reading	61.5	62.0	13.6	3.5	60.0	59.2	15.0	3.3	60.0	59.3	13.1	3.3					66.0	67.4	13.4	3.9
Total Reading	61.0	62.0	13.0	3.5	60.0	59.5	14.6	3.4	61.0	60.8	11.3	3.5					67.0	67.9	12.2	4.2
Language	70.0	70.0	13.0	4.0	61.0	61.7	11.5	3.1	60.0	60.8	10.4	3.0					75.0	73.7	13.1	4.7
Spelling	64.0	64.0	12.3	3.6	62.0	62.3	13.1	3.4	65.0	65.8	11.2	3.7					69.0	68.8	9.7	4.3
Math Computation	65.5	66.0	10.7	3.9	61.0	60.9	10.0	3.4	62.0	61.7	9.3	3.5					68.0	67.7	10.0	4.1
Math Concepts	67.0	66.0	12.4	3.8	60.0	62.2	12.6	3.2	66.0	65.5	11.0	3.7					72.0	71.3	10.5	4.4
Math Problem Solving	68.0	63.0	13.1	3.7	60.0	59.8	13.2	3.1	65.0	63.2	12.6	3.4					70.0	69.8	12.4	3.9
Total Mathematics	70.5	70.0	12.0	3.8	62.0	64.2	11.9	3.1	66.0	66.9	10.7	3.4					73.0	73.5	10.7	4.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 14

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN, FIRST GRADE AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE SOUTH.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					46.0	—	—	—	—	—	—	—	40.0	—	—	—	50	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	21.5	21.7	11.0	—	—	—	—	—	26.5	27.0	12.3	—	22.0	21.6	8.7	0.2
Reading	*	17.0	7.7	0.6	10.0	10.9	6.0	0.2	—	—	—	—	11.0	12.9	5.7	0.2	10.0	9.2	4.5	0.2
Arithmetic	*	12.7	4.4	0.6	9.0	8.1	4.2	0.2	—	—	—	—	9.0	9.3	4.9	0.2	9.0	9.0	3.4	-0.9
Spelling	*	13.9	5.3	0.6	2.0	2.7	2.6	-1.2	—	—	—	—	4.0	4.8	3.9	-0.8	3.0	3.7	3.5	
SPRING 1972 KINDERGARTEN (N)					32.0	—	—	—	—	—	—	—	31.0	—	—	—	18.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	32.2	30.7	10.0	—	—	—	—	—	28.0	29.8	14.3	—	22.5	22.6	9.3	—
Reading	-	24.1	10.4	1.2	15.0	13.7	6.3	0.5	—	—	—	—	13.0	12.2	7.3	0.4	7.0	7.3	6.7	-0.3
Arithmetic	-	17.1	4.7	1.2	8.0	7.8	2.5	0.1	—	—	—	—	8.0	8.0	3.2	0.1	8.0	7.9	2.7	0.1
Spelling	-	18.7	5.7	1.1	9.0	9.3	4.0	0.1	—	—	—	—	9.0	9.5	5.4	0.1	8.0	7.4	4.3	-0.1
Metropolitan Achievement Test (Primer) (N)					30.0	—	—	—	—	—	—	—	29.0	—	—	—	9.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	23.9	24.2	3.8	—	—	—	—	—	24.2	26.0	5.0	—	24.3	25.1	2.9	—
Reading	25.5	25.0	6.0	**	26.3	25.7	4.5	—	—	—	—	—	24.7	23.6	5.3	—	23.3	23.1	4.3	—
Numbers	23.0	24.0	9.3	**	21.3	20.3	5.7	—	—	—	—	—	20.3	21.1	6.4	—	22.0	20.6	4.7	—
SPRING 1973 FIRST GRADE (N)					46.0	—	—	—	—	—	—	—	40.0	—	—	—	50	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	30.0	32.0	11.1	1.4	—	—	—	—	42.0	45.1	12.9	1.9	35.0	35.3	7.2	1.6
Word Analysis	37.5	38.0	8.5	1.8	32.0	32.0	7.1	1.4	—	—	—	—	39.0	42.0	9.9	1.9	35.0	34.9	5.1	1.6
Reading	39.5	40.0	10.2	1.8	35.0	34.9	6.6	1.5	—	—	—	—	42.0	42.1	12.7	1.9	39.0	38.0	6.1	1.7
Total Reading	40.0	40.0	10.0	1.9	30.0	32.4	8.2	1.4	—	—	—	—	40.0	42.7	11.9	1.9	37.0	36.4	5.8	1.7
Total Mathematics	42.0	43.0	12.6	1.8	29.0	28.1	8.4	1.2	—	—	—	—	39.0	40.8	10.2	1.7	33.0	32.1	7.0	1.4
SPRING 1974 SECOND GRADE (N)					29.0	—	—	—	—	—	—	—	38.0	—	—	—	14.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	48.0	46.5	8.8	2.3	—	—	—	—	55.0	57.3	9.4	2.8	51.0	47.6	8.6	2.5
Word Analysis	52.0	52.0	10.4	2.8	41.0	43.3	10.1	2.0	—	—	—	—	50.0	50.4	9.6	2.6	43.0	41.7	10.5	2.1
Reading	53.0	53.0	11.7	2.7	44.0	43.1	8.6	2.0	—	—	—	—	52.0	53.2	11.0	2.6	47.0	44.9	7.8	2.2
Total Reading	52.5	54.0	10.9	2.7	45.0	40.8	14.9	2.1	—	—	—	—	53.0	54.9	10.0	2.7	48.0	45.0	9.0	2.3
Spelling	56.5	57.0	11.4	2.9	47.0	46.8	9.7	2.2	—	—	—	—	57.0	56.7	11.2	2.9	50.0	50.6	10.0	2.4
Math Computations	54.0	54.0	10.0	2.9	45.0	41.8	8.9	2.1	—	—	—	—	53.0	52.9	11.0	2.8	45.0	55.3	8.5	2.1
Math Concepts	57.0	58.0	11.8	3.0	42.0	42.3	8.8	1.9	—	—	—	—	52.0	52.4	10.1	2.6	41.0	45.4	8.7	1.8
Math Problem Solving	57.0	57.0	12.1	2.9	43.0	45.5	8.2	2.0	—	—	—	—	54.0	53.3	10.9	2.7	43.0	43.3	8.9	2.0
Total Mathematics	57.0	58.0	11.1	2.7	43.0	43.7	9.1	1.9	—	—	—	—	55.0	54.9	10.0	2.5	47.0	46.1	8.8	2.1
SPRING 1975 THIRD GRADE (N)					46.0	—	—	—	—	—	—	—	40.0	—	—	—	50	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	55.0	54.8	9.0	2.8	—	—	—	—	66.0	63.6	10.6	3.9	54.0	54.5	8.1	2.7
Reading	61.5	62.0	13.6	3.5	52.0	50.7	10.4	2.6	—	—	—	—	60.0	61.6	12.8	3.3	52.0	51.9	9.8	2.6
Total Reading	61.0	62.0	13.0	3.5	52.0	51.7	9.9	2.6	—	—	—	—	61.0	61.8	11.7	3.5	53.0	52.0	8.8	2.6
Language	70.0	70.0	13.0	4.0	57.0	57.4	8.8	2.7	—	—	—	—	65.0	67.1	10.7	3.4	58.0	57.3	7.4	2.8
Spelling	64.0	64.0	12.3	3.6	56.0	55.4	12.3	2.8	—	—	—	—	62.0	62.3	11.9	3.4	61.0	59.5	14.5	3.3
Math Computations	65.5	66.0	10.7	3.9	52.0	52.7	9.9	2.7	—	—	—	—	64.0	61.8	12.6	3.7	58.0	57.1	11.2	3.2
Math Concepts	67.0	66.0	12.4	3.8	54.0	54.7	10.1	2.8	—	—	—	—	63.0	64.5	11.6	3.4	56.0	56.0	7.7	2.9
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	53.9	10.8	2.8	—	—	—	—	64.0	63.9	11.5	3.3	56.0	56.6	11.1	2.9
Total Mathematics	70.5	70.0	12.0	3.8	56.0	56.0	10.2	2.6	—	—	—	—	66.0	67.9	12.1	3.4	60.0	59.2	9.7	3.0

---

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 15

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN, FIRST GRADE AND EXIT AT THIRD GRADE AND HAVE PARENT INTERVIEW DATA BY CITYSIZE IN THE WEST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					49	—	—	—	48.0	—	—	—	59.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	32.3	34.6	10.7		30.2	30.7	11.0	—	27.6	28.4	10.7	—	—	—	—	—
Reading	*	17.0	7.7	0.6	16.0	16.8	6.1	0.6	11.0	13.4	5.5	0.2	11.0	12.8	4.7	0.2	—	—	—	—
Arithmetic	*	12.7	4.4	0.6	12.0	11.2	4.2	0.5	11.0	10.7	3.8	0.4	10.0	10.1	4.1	0.3	—	—	—	—
Spelling	*	13.9	5.3	0.6	6.0	6.5	3.4	-0.5	7.0	6.6	4.2	-0.3	5.0	5.5	3.7	-0.7	—	—	—	—
SPRING 1972 KINDERGARTEN (N)					10.0	—	—	—	37.0	—	—	—	42.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	37.5	39.5	16.6	—	35.0	35.7	11.5	—	29.5	30.8	10.8	—	—	—	—	—
Reading	-	24.1	10.4	1.2	17.0	16.4	7.5	0.7	15.0	15.0	5.8	0.5	11.0	12.1	6.7	0.2	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	12.0	11.3	3.7	0.5	10.0	9.8	3.2	0.3	9.0	9.2	2.4	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	12.0	11.8	6.9	0.4	10.0	11.0	5.2	0.2	10.0	9.5	4.1	0.2	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					10.0	—	—	—	34.0	—	—	—	41.0	—	—	—	—	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.5	28.2	5.4	—	27.8	28.6	4.2	—	26.2	26.3	3.4	—	—	—	—	—
Reading	25.5	25.0	6.0	**	27.5	26.9	5.9	—	26.3	25.7	4.7	—	24.1	23.9	4.8	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	24.0	25.3	6.8	—	22.5	23.1	5.3	—	21.4	21.9	5.0	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					49	—	—	—	48.0	—	—	—	59.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	38.0	39.7	10.9	1.7	38.0	41.2	11.9	1.7	34.0	33.5	9.0	1.5	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	37.0	38.2	9.1	1.7	38.0	39.5	6.5	1.8	35.0	35.7	5.5	1.6	—	—	—	—
Reading	39.5	40.0	10.2	1.8	38.0	36.7	8.8	1.7	38.0	38.5	10.0	1.7	31.0	32.5	7.0	1.4	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	36.0	37.8	8.7	1.7	37.0	38.7	9.9	1.7	31.0	32.2	7.1	1.5	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	34.0	36.3	11.8	1.4	37.0	39.2	9.3	1.6	33.0	33.1	8.3	1.4	—	—	—	—
SPRING 1974 SECOND GRADE (N)					16.0	—	—	—	39.0	—	—	—	51.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	56.0	55.9	11.2	2.9	51.0	53.3	9.6	2.5	49.0	49.0	7.3	2.3	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	59.0	55.9	7.9	3.6	53.0	52.7	10.6	2.9	44.0	46.0	8.0	2.1	—	—	—	—
Reading	53.0	53.0	11.7	2.7	54.0	51.9	10.3	2.7	50.0	50.0	11.3	2.4	46.0	45.7	9.6	2.1	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	54.0	53.3	11.6	2.8	50.0	48.9	14.4	2.5	47.0	44.6	13.0	2.3	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	57.0	58.7	12.4	2.9	57.0	56.3	11.0	2.9	49.0	49.1	8.1	2.3	—	—	—	—
Math Computations	54.0	54.0	10.0	2.9	46.0	49.5	11.3	2.2	54.0	52.6	12.0	2.9	49.0	48.5	7.0	2.4	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	50.0	51.7	13.1	2.4	50.0	50.5	10.2	2.4	48.0	46.8	7.5	2.2	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	45.0	47.6	11.7	2.1	51.0	51.4	12.3	2.5	49.0	47.3	8.8	2.3	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	51.3	13.0	2.3	55.0	53.3	10.8	2.5	50.0	49.5	7.0	2.3	—	—	—	—
SPRING 1975 THIRD GRADE (N)					49	—	—	—	48.0	—	—	—	59.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	59.0	59.3	11.8	3.2	61.0	60.0	9.8	3.4	57.0	57.4	10.0	3.0	—	—	—	—
Reading	61.5	62.0	13.6	3.5	56.0	56.1	11.1	2.9	54.0	56.3	10.1	2.7	55.0	55.2	9.1	2.8	—	—	—	—
Total Reading	61.0	62.0	13.0	3.5	57.0	56.6	11.1	3.1	56.0	57.4	9.4	3.0	53.0	55.1	9.2	2.7	—	—	—	—
Language	70.0	70.0	13.0	4.0	56.0	56.9	10.4	2.6	58.0	60.7	10.0	2.8	59.0	58.7	8.9	2.9	—	—	—	—
Spelling	64.0	64.0	12.3	3.6	62.0	59.3	12.5	-3.4	63.0	62.5	11.5	3.5	57.0	57.4	11.0	2.9	—	—	—	—
Math Computations	65.5	66.0	10.7	3.9	60.0	58.2	9.6	3.3	55.0	55.5	11.7	2.9	55.0	55.2	8.8	2.9	—	—	—	—
Math Concepts	67.0	66.0	12.4	3.8	57.0	59.3	10.8	3.0	59.0	57.1	13.4	3.1	57.0	57.1	9.2	3.0	—	—	—	—
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	55.9	12.8	2.8	55.0	55.7	13.7	2.8	55.0	56.8	10.0	2.8	—	—	—	—
Total Mathematics	70.5	70.0	12.0	3.8	62.0	60.8	10.7	3.1	59.0	58.6	13.2	2.9	58.0	58.9	9.1	2.8	—	—	—	—

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 16

STANDARDIZED SCORES FOR THE TOTAL NON-FOLLOW THROUGH PRE-POST POPULATION.

	PUBLISHER'S DATA				ALL GROUPS			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					13.0	—	—	—
Wide Range Achievement Test								
Total Score	*	*	*	*	29.8	30.7	—	
Reading	*	17.0	7.7	0.6	13.0	14.0	—	0.4
Arithmetic	*	12.7	4.4	0.6	11.0	10.6	—	0.4
Spelling	*	13.9	5.3	0.6	5.0	5.6	—	-0.7
SPRING 1972 KINDERGARTEN (N)					12.0	—	—	—
Wide Range Achievement Test								
Total Score	-	-	-	-	34.5	35.3	—	—
Reading	-	24.1	10.4	1.2	15.0	15.0	—	0.5
Arithmetic	-	17.1	4.7	1.2	10.0	9.4	—	0.3
Spelling	-	18.7	5.7	1.1	10.0	10.8	—	0.2
Metropolitan Achievement Test (N) (Primer)					12.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.5	27.3	—	—
Reading	25.5	25.0	6.0	**	26.5	26.2	—	—
Numbers	23.0	24.0	9.3	**	23.2	23.8	—	—
SPRING 1973 FIRST GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary I)								
Word Knowledge	41.0	41.0	11.6	1.9	40.0	40.5	—	1.8
Word Analysis	37.5	38.0	8.5	1.8	38.0	38.9	—	1.8
Reading	39.5	40.0	10.2	1.8	39.0	39.8	—	1.7
Total Reading	40.0	40.0	10.0	1.9	38.0	39.3	—	1.8
Total Mathematics	42.0	43.0	12.6	1.8	36.0	37.6	—	1.5
SPRING 1974 SECOND GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary II)								
Word Knowledge	54.0	55.0	10.2	2.7	53.0	53.8	—	2.6
Word Analysis	52.0	52.0	10.4	2.8	51.0	50.3	—	2.7
Reading	53.0	53.0	11.7	2.7	51.0	50.6	—	2.5
Total Reading	52.5	54.0	10.9	2.7	51.0	50.0	—	2.5
Spelling	56.5	57.0	11.4	2.9	55.0	55.4	—	2.7
Math Computations	54.0	54.0	10.0	2.9	50.0	50.2	—	2.5
Math Concepts	57.0	58.0	11.8	3.0	50.0	50.3	—	2.4
Math Problem Solving	57.0	57.0	12.1	2.9	50.0	51.0	—	2.4
Total Mathematics	57.0	58.0	11.1	2.7	52.0	52.2	—	2.4
SPRING 1975 THIRD GRADE (N)					13.0	—	—	—
Metropolitan Achievement Test (Elementary)								
Word Knowledge	63.5	63.0	12.0	3.7	62.0	61.6	—	3.5
Reading	61.5	62.0	13.6	3.5	58.0	58.8	—	3.1
Total Reading	61.0	62.0	13.0	3.5	59.0	59.1	—	3.3
Language	70.0	70.0	13.0	4.0	62.0	62.8	—	3.2
Spelling	64.0	64.0	12.3	3.6	63.0	62.2	—	3.5
Math Computations	65.5	66.0	10.7	3.9	61.0	60.7	—	3.4
Math Concepts	67.0	66.0	12.4	3.8	62.0	62.4	—	3.3
Math Problem Solving	68.0	68.0	11.1	3.7	61.0	61.0	—	3.1
Total Mathematics	70.5	70.0	12.0	3.8	64.0	64.4	—	3.3

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion

**The publisher of the Metropolitan Achievement Test

Table 17

STANDARDIZED SCORES FOR ALL NON-FOLLOW THROUGH CHILDREN
AT EACH TIME POINT BY CITYSIZE IN THE NORTHEAST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					2364.0	—	—	—	683.0	—	—	—	327.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	26.0	27.8	12.7	—	25.7	27.8	12.7	—	27.6	29.8	13.7	—	—	—	—	—
Reading	*	17.0	7.7	0.6	12.0	14.1	6.6	0.3	12.0	13.6	6.3	0.3	13.0	14.9	7.1	0.4	—	—	—	—
Arithmetic	*	12.7	4.4	0.6	9.0	9.3	4.4	0.2	9.0	9.2	4.6	0.2	11.0	10.1	4.7	0.4	—	—	—	—
Spelling	*	13.9	5.3	0.6	3.0	4.3	3.8	-0.9	4.0	5.0	4.1	-0.8	4.0	4.9	3.9	-0.8	—	—	—	—
SPRING 1972 KINDERGARTEN (N)					1063.0	—	—	—	459.0	—	—	—	272.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	31.1	31.6	12.8	—	34.9	36.1	13.0	—	32.4	34.4	13.2	—	—	—	—	—
Reading	-	24.1	10.4	1.2	14.0	13.9	6.9	0.6	15.0	15.6	6.9	0.5	14.0	14.3	7.0	0.4	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	9.0	8.2	3.7	0.2	9.0	8.9	3.4	0.2	9.0	9.1	3.3	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	9.9	9.5	5.2	0.1	11.0	11.6	5.2	0.3	10.0	11.0	5.0	0.2	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					862.0	—	—	—	429.0	—	—	—	255.0	—	—	—	—	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	25.6	26.1	4.6	—	26.5	26.9	4.7	—	26.6	27.4	4.4	—	—	—	—	—
Reading	25.5	25.0	6.0	**	26.3	26.0	4.4	—	26.8	26.6	4.4	—	26.3	25.7	4.9	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	21.9	22.3	6.6	—	22.3	23.0	6.6	—	21.9	22.8	6.4	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					1507.0	—	—	—	327.0	—	—	—	166.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.[illegible]	1.9	36.0	37.6	12.1	1.6	38.0	39.4	11.5	1.7	40.0	40.3	13.2	1.8	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	36.0	37.0	8.5	1.7	36.0	37.6	8.1	1.7	38.0	40.3	9.4	1.8	—	—	—	—
Reading	39.5	40.0	10.2	1.8	35.0	36.1	9.9	1.5	35.0	37.5	9.7	1.5	39.0	40.8	10.8	1.7	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	35.0	35.8	10.0	1.6	36.0	37.5	9.5	1.7	40.0	39.5	9.8	1.9	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	35.0	37.1	12.4	1.5	34.0	35.4	10.9	1.4	37.0	39.5	10.5	1.6	—	—	—	—
SPRING 1974 SECOND GRADE (N)					1011.0	—	—	—	219.0	—	—	—	230.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	51.0	51.1	9.4	2.5	52.0	53.7	11.0	2.5	55.0	55.5	11.3	2.8	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	47.0	47.0	10.7	2.4	50.0	50.1	11.[illegible]	2.6	53.0	52.5	10.9	2.9	—	—	—	—
Reading	53.0	53.0	11.7	2.7	49.0	47.9	9.9	2.3	50.0	50.6	11.7	2.4	53.0	52.9	12.8	2.7	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	49.0	46.4	14.5	2.4	50.0	50.6	14.0	2.3	53.0	52.8	14.4	2.7	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	54.0	53.5	12.1	2.6	56.0	55.7	11.7	2.8	56.0	56.1	12.4	2.8	—	—	—	—
Math Computation	54.0	54.0	10.0	2.9	48.0	47.4	10.1	2.3	50.0	49.6	11.0	2.5	52.0	51.7	10.7	2.7	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	48.0	46.6	10.6	2.2	48.0	48.5	11.8	2.2	52.0	53.0	12.3	2.6	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	48.4	10.8	2.3	50.0	50.4	11.2	2.4	51.0	52.4	12.5	2.5	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	50.0	48.9	10.5	2.3	52.0	51.0	11.8	2.4	54.0	54.2	12.0	2.5	—	—	—	—
SPRING 1975 THIRD GRADE (N)					834.0	—	—	—	343.0	—	—	—	139.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	57.4	11.3	3.1	61.0	61.0	11.4	3.6	64.0	63.9	12.6	3.7	—	—	—	—
Reading	61.5	62.0	13.6	3.5	53.0	53.9	11.8	2.7	57.0	58.1	13.3	3.0	59.0	61.0	14.9	3.2	—	—	—	—
Total Reading	61.0	62.0	13.0	3.3	55.0	54.4	11.5	2.9	59.0	58.6	12.2	3.3	61.0	61.7	14.0	3.5	—	—	—	—
Language	70.0	70.0	13.0	4.0	57.0	57.6	9.9	2.7	60.0	62.5	12.6	3.0	61.0	63.5	12.9	3.1	—	—	—	—
Spelling	64.0	64.9	12.3	3.6	63.0	62.0	13.6	3.5	65.0	62.7	12.4	3.7	65.0	64.6	11.6	3.7	—	—	—	—
Math Computation	65.5	66.0	10.7	3.9	58.0	58.2	11.3	3.2	64.0	63.4	11.7	3.7	61.0	60.5	12.1	3.4	—	—	—	—
Math Concepts	67.0	66.9	12.4	3.8	57.0	58.0	11.4	3.0	61.0	61.9	12.9	3.3	63.0	64.1	13.3	3.4	—	—	—	—
Math Problem Solving	68.0	68.0	13.1	3.7	58.0	56.7	12.3	3.0	60.0	60.8	14.2	3.1	60.0	60.8	15.3	3.1	—	—	—	—
Total Mathematics	70.5	70.0	12.0	3.8	61.0	60.3	11.9	3.1	65.0	63.3	13.1	3.3	64.0	65.0	13.7	3.3	—	—	—	—

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 18

STANDARDIZED SCORES FOR ALL NON-FOLLOW THROUGH CHILDREN AT EACH TIME POINT BY CITYSIZE IN THE NORTH CENTRAL REGION.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					1135.0	—	—	—	864.0	—	—	—					427			—
Wide Range Achievement Test																				
Total Score	*	*	*	*	26.3	28.3	13.0	—	30.1	31.1	13.4	—					32.0	32.2	14.3	
Reading	*	17.0	7.7	0.6	11.0	13.3	6.4	0.2	13.0	14.7	6.5	0.4					14.0	11.9	7.0	0.4
Arithmetic	*	12.7	4.4	0.6	11.0	10.2	4.5	0.4	11.0	10.7	4.7	0.4					11.0	11.4	4.8	0.4
Spelling	*	13.9	5.3	0.6	4.0	4.8	4.4	-0.8	5.0	5.7	4.3	-0.7					8.0	7.5	4.7	-0.1
SPRING 1972 KINDERGARTEN (N)					705.0	—	—	—	647.0	—	—	—					244.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	33.0	33.7	12.2	—	36.7	38.6	12.8	—					36.6	37.7	12.5	—
Reading	-	24.1	10.4	1.2	14.0	14.2	6.2	0.4	16.0	16.6	7.1	0.6					16.0	16.4	6.9	0.6
Arithmetic	-	17.1	4.7	1.2	9.0	9.0	3.4	0.2	10.0	10.1	3.3	0.3					10.0	10.1	3.1	0.3
Spelling	-	18.7	5.7	1.1	10.0	10.6	4.8	0.2	11.0	12.0	5.1	0.3					11.0	11.2	4.7	0.3
Metropolitan Achievement Test (Primer) (N)					669.0	—	—	—	620.0	—	—	—					238.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.3	26.7	4.3	—	25.8	27.7	4.8	—					26.7	27.4	4.5	—
Reading	25.5	25.0	6.0	**	26.1	25.6	4.4	—	26.5	26.7	4.6	—					26.7	26.1	4.5	—
Numbers	23.0	24.0	9.3	**	22.0	22.5	6.0	—	24.3	25.3	6.8	—					25.1	26.0	5.7	—
SPRING 1973 FIRST GRADE (N)					280.0	—	—	—	413.0	—	—	—					237			—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	37.0	39.1	12.8	1.7	43.0	43.1	12.5	1.9					45.0	44.8	11.9	1.9
Word Analysis	37.5	38.0	8.5	1.8	36.0	36.8	10.0	1.7	40.0	41.1	8.9	1.9					42.0	42.6	9.7	2.1
Reading	39.5	40.0	10.2	1.8	38.0	39.7	10.8	1.7	41.0	41.7	11.2	1.8					44.0	45.6	11.7	2.0
Total Reading	40.0	40.0	10.0	1.9	37.0	38.4	11.1	1.7	41.0	41.4	10.8	1.9					44.0	44.2	10.8	2.1
Total Mathematics	42.0	43.0	12.6	1.8	34.0	35.7	12.5	1.4	37.0	39.4	10.1	1.6					46.0	45.9	12.3	2.0
SPRING 1974 SECOND GRADE (N)					247.0	—	—	—	288.0	—	—	—					233.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	51.0	52.1	11.1	2.5	55.0	55.5	10.4	2.8					57.0	56.9	10.6	3.0
Word Analysis	52.0	52.0	10.4	2.8	46.0	46.3	11.2	2.3	55.0	53.3	9.7	3.1					55.0	52.7	10.0	3.1
Reading	53.0	53.0	11.7	2.7	49.0	49.1	11.5	2.3	53.0	52.9	11.0	2.7					55.0	54.4	11.4	2.8
Total Reading	52.5	54.0	10.9	2.7	49.0	48.0	15.8	2.4	53.0	52.8	12.5	2.7					55.0	54.9	11.4	2.9
Spelling	56.5	57.0	11.4	2.9	52.0	51.7	11.8	2.5	57.0	57.2	10.4	2.9					59.0	59.3	11.4	3.0
Math Computation	54.0	54.0	10.0	2.9	49.0	48.2	10.6	2.4	51.0	50.6	9.3	2.6					54.0	53.5	9.8	2.9
Math Concepts	57.0	58.0	11.8	3.0	49.0	48.9	11.9	2.3	53.0	52.8	11.4	2.7					56.0	56.8	12.6	2.9
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	50.7	11.5	2.3	52.0	53.2	11.1	2.6					54.0	55.6	11.2	2.7
Total Mathematics	57.0	58.0	11.1	2.7	52.0	50.6	11.6	2.4	51.0	54.0	10.3	2.5					56.0	57.2	11.1	2.6
SPRING 1975 THIRD GRADE (N)					308.0	—	—	—	377.0	—	—	—					343			—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	57.0	57.9	13.2	3.0	64.0	63.4	11.8	3.7					68.0	67.2	11.8	4.2
Reading	61.5	62.0	13.6	3.5	55.0	55.3	13.1	2.8	61.0	60.3	14.3	3.4					64.0	65.3	13.4	3.7
Total Reading	61.0	62.0	13.0	3.5	55.0	55.4	13.4	2.9	61.0	61.1	13.1	3.5					65.0	65.6	12.7	3.9
Language	70.0	70.0	13.0	4.0	57.0	59.1	11.1	2.7	60.0	62.3	11.4	3.0					72.0	71.5	12.7	4.3
Spelling	64.0	64.0	12.3	3.6	60.0	59.1	13.0	3.1	65.0	63.7	11.5	3.7					68.0	66.3	10.8	4.2
Math Computation	65.5	66.0	10.7	3.9	58.0	57.7	10.8	3.2	63.0	63.1	10.3	3.6					65.0	65.9	9.6	3.8
Math Concepts	67.0	66.0	12.4	3.8	59.0	58.8	12.0	3.1	66.0	65.6	11.7	3.7					71.0	69.2	10.9	4.1
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	57.2	12.7	2.8	65.0	63.9	13.2	3.4					70.0	67.9	12.1	3.8
Total Mathematics	70.5	70.0	12.0	3.8	60.0	60.7	12.1	3.0	63.0	67.7	11.8	3.6					72.0	71.4	10.5	3.9

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 19

STANDARDIZED SCORES FOR ALL NON-FOLLOW THROUGH CHILDREN AT EACH TIME POINT BY CITYSIZE IN THE SOUTH.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					880.0	—	—	—	0.0	—	—	—	229.0	—	—	—	195			—
Wide Range Achievement Test																				
Total Score	*	*	*	*	19.5	21.2	11.0	—	—	—	—	—	27.4	28.2	13.3	—	21.4	22.7	10.7	
Reading	*	17.0	7.7	0.6	10.0	10.5	5.3	0.2	—	—	—	—	12.0	13.2	6.0	0.3	10.0	9.5	5.6	0.2
Arithmetic	*	12.7	4.4	0.6	8.0	7.9	4.5	0.1	—	—	—	—	10.0	9.7	4.9	0.3	9.0	9.2	3.7	0.2
Spelling	*	13.9	5.3	0.6	2.0	2.9	3.2	-1.2	—	—	—	—	5.0	5.3	4.1	-0.7	3.0	3.8	3.7	-0.9
SPRING 1972 KINDERGARTEN (N)					558.0	—	—	—	152.0	—	—	—	191.0	—	—	—	84.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	27.6	27.9	9.8	—	27.4	29.0	8.9	—	34.1	32.9	14.0	—	22.5	24.2	12.1	—
Reading	-	24.1	10.4	1.2	11.0	11.6	5.7	0.2	11.0	11.6	4.8	0.2	14.0	13.8	7.1	0.4	8.0	8.2	7.3	-0.1
Arithmetic	-	17.1	4.7	1.2	7.0	7.3	3.0	-0.2	8.0	8.3	2.8	0.1	9.0	8.8	3.6	0.2	9.0	8.4	2.8	0.2
Spelling	-	18.7	5.7	1.1	9.0	9.0	3.6	0.1	9.0	9.1	3.8	0.1	10.0	10.3	4.9	0.2	8.0	7.6	4.8	-0.1
Metropolitan Achievement Test (Primer) (N)					507.0	—	—	—	151.0	—	—	—	179.0	—	—	—	43.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	24.4	24.4	3.2	—	25.4	25.4	3.3	—	26.3	26.7	4.2	—	24.9	25.9	4.5	—
Reading	25.5	25.0	6.0	**	24.7	23.8	4.1	—	24.2	23.8	4.2	—	26.2	25.0	4.8	—	25.9	24.3	4.6	—
Numbers	23.0	24.0	9.3	**	19.9	19.3	5.5	—	20.2	20.0	4.6	—	22.7	22.3	6.6	—	22.2	21.8	4.7	—
SPRING 1973 FIRST GRADE (N)					249.0	—	—	—	0.0	—	—	—	154.0	—	—	—	124			
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	29.0	30.0	8.6	1.4	—	—	—	—	46.0	45.7	12.9	2.1	35.0	34.9	9.8	1.6
Word Analysis	37.5	38.0	8.5	1.8	31.0	30.8	6.4	1.3	—	—	—	—	41.0	43.0	10.6	2.0	34.0	34.8	7.3	1.5
Reading	39.5	40.0	10.2	1.8	33.0	33.2	6.4	1.5	—	—	—	—	44.0	45.1	12.5	2.0	38.0	37.8	7.8	1.7
Total Reading	40.0	40.0	10.0	1.9	29.0	30.6	7.1	1.4	—	—	—	—	45.0	44.3	11.9	2.1	36.0	35.8	7.7	1.7
Total Mathematics	42.0	43.0	12.6	1.8	29.0	28.1	8.8	1.2	—	—	—	—	40.0	40.6	10.9	1.7	33.0	31.8	8.6	1.4
SPRING 1974 SECOND GRADE (N)					208.0	—	—	—	0.0	—	—	—	182.0	—	—	—	38.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	43.0	43.8	8.1	1.9	—	—	—	—	59.0	59.1	10.1	3.2	51.0	48.2	9.1	2.5
Word Analysis	52.0	52.0	10.4	2.8	37.0	38.8	9.5	1.7	—	—	—	—	56.0	54.0	10.0	3.2	44.0	42.8	10.6	2.1
Reading	53.0	53.0	11.7	2.7	42.0	41.5	8.0	1.9	—	—	—	—	56.0	57.6	12.2	2.9	47.0	45.3	8.8	2.2
Total Reading	52.5	54.0	10.9	2.7	41.0	37.4	15.2	1.9	—	—	—	—	56.0	56.9	15.0	3.0	48.0	43.9	12.9	2.3
Spelling	56.5	57.0	11.4	2.9	43.0	44.4	9.4	1.9	—	—	—	—	60.0	60.0	11.5	3.1	49.0	51.0	11.6	2.3
Math Computations	54.0	54.0	10.0	2.9	43.0	41.6	8.2	2.0	—	—	—	—	56.0	56.6	11.0	3.0	45.0	44.4	9.7	2.1
Math Concepts	57.0	58.0	11.8	3.0	40.0	40.4	8.5	1.8	—	—	—	—	54.0	54.7	10.4	2.8	46.0	44.1	9.4	2.1
Math Problem Solving	57.0	57.0	12.1	2.9	45.0	44.0	8.0	2.1	—	—	—	—	55.0	56.2	10.8	2.8	43.0	44.7	8.1	2.0
Total Mathematics	57.0	58.0	11.1	2.7	41.0	42.8	8.3	1.8	—	—	—	—	57.0	58.0	10.3	2.7	46.0	45.4	9.3	2.0
SPRING 1975 THIRD GRADE (N)					436.0	—	—	—	0.0	—	—	—	201.0	—	—	—	134			
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	51.0	50.4	10.5	2.5	—	—	—	—	68.0	67.0	11.1	4.2	56.0	55.8	8.3	2.9
Reading	61.5	62.0	13.6	3.5	49.0	48.5	10.4	2.3	—	—	—	—	66.0	65.1	13.4	3.9	53.0	53.4	10.0	2.7
Total Reading	61.0	62.0	13.0	3.5	48.0	47.5	11.1	2.3	—	—	—	—	65.0	65.3	12.0	3.9	53.0	53.4	8.9	2.7
Language	70.0	70.0	13.0	4.0	54.0	54.4	8.6	2.4	—	—	—	—	68.0	69.4	11.3	3.7	58.0	58.6	8.1	3.0
Spelling	64.0	64.0	12.3	3.6	52.0	52.9	12.3	2.5	—	—	—	—	67.0	66.5	10.5	4.1	61.0	59.8	13.9	3.3
Math Computations	65.5	66.0	10.7	3.9	53.0	52.5	9.3	2.8	—	—	—	—	68.0	68.0	10.9	4.1	59.0	57.8	11.1	3.2
Math Concepts	67.0	66.0	12.4	3.8	51.0	52.3	10.1	2.5	—	—	—	—	69.0	68.7	11.5	4.0	57.0	57.0	9.6	2.9
Math Problem Solving	68.0	68.0	13.1	3.7	53.0	51.9	10.6	2.7	—	—	—	—	67.0	68.4	12.4	3.6	58.0	57.4	11.2	3.0
Total Mathematics	70.5	70.0	12.0	3.8	54.0	54.1	10.0	2.5	—	—	—	—	72.0	72.1	11.6	3.9	60.0	60.0	10.8	3.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 20

STANDARDIZED SCORES FOR ALL NON-FOLLOW THROUGH CHILDREN AT EACH TIME POINT BY CITYSIZE IN THE WEST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					638		—	—	552.0	—	—	—	423.0	—	—	—	124.0	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	30.5	31.7	12.5	—	29.0	30.4	13.0	—	25.9	27.0	12.3	—	39.8	38.6	10.9	—
Reading	*	17.0	7.7	0.6	14.0	15.4	6.2	0.4	12.0	14.1	6.4	0.3	11.0	12.8	6.3	0.2	18.0	18.0	6.2	0.7
Arithmetic	*	12.7	4.4	0.6	11.0	10.3	4.5	0.4	11.0	10.5	4.6	0.4	10.0	9.5	4.4	0.3	14.0	12.5	4.0	0.7
Spelling	*	13.9	5.3	0.6	5.0	5.9	4.3	-0.7	5.0	5.8	4.4	-0.7	4.0	4.7	4.0	-0.8	8.0	8.1	3.6	-0.1
SPRING 1972 KINDERGARTEN (N)					123.0	—	—	—	371.0	—	—	—	253.0	—	—	—	0.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	32.4	35.3	14.0	—	32.5	34.4	13.2	—	29.8	30.9	11.2	—	—	—	—	—
Reading	-	24.1	10.4	1.2	15.0	15.5	7.4	0.5	14.0	14.7	6.8	0.4	12.0	12.8	6.5	0.3	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	9.0	8.9	3.2	0.2	10.0	9.4	3.5	0.3	9.0	8.6	2.8	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	10.0	10.8	5.6	0.2	10.0	10.3	5.1	0.2	9.0	9.6	4.2	0.1	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					120.0	—	—	—	346.0	—	—	—	236.0	—	—	—	0.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.6	27.1	5.0	—	26.5	27.3	4.9	—	26.1	26.3	3.6	—	—	—	—	—
Reading	25.5	25.0	6.0	**	26.2	26.2	4.8	—	26.0	25.8	4.6	—	25.0	24.4	4.6	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	21.5	22.5	7.1	—	22.7	23.6	7.3	—	21.7	22.2	4.8	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					388	—	—	—	135.0	—	—	—	211.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	36.0	37.0	10.9	1.6	38.0	39.4	11.5	1.7	34.0	33.8	9.0	1.5	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	37.0	36.4	7.9	1.7	38.0	38.4	7.7	1.8	35.0	35.6	7.1	1.6	—	—	—	—
Reading	39.5	40.0	10.2	1.8	35.0	36.2	9.8	1.6	37.0	37.9	10.6	1.6	33.0	32.6	7.3	1.5	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	31.0	35.8	9.6	1.6	36.0	37.8	10.4	1.7	32.0	32.5	7.3	1.5	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	34.0	34.3	10.1	1.4	36.0	38.2	11.5	1.5	33.0	32.6	8.3	1.4	—	—	—	—
SPRING 1974 SECOND GRADE (N)					35.0	—	—	—	154.0	—	—	—	150.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	55.0	55.5	9.7	2.8	54.0	54.8	10.4	2.7	49.0	48.4	7.4	2.3	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	53.0	53.1	11.2	2.9	54.0	53.1	10.2	3.0	45.0	45.4	7.9	2.2	—	—	—	—
Reading	53.0	53.0	11.7	2.7	54.0	53.6	12.0	2.7	52.0	51.3	11.4	2.6	46.0	44.9	9.5	2.1	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	53.0	53.0	13.9	2.7	51.0	50.3	15.7	2.5	47.0	43.9	12.8	2.3	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	56.0	55.9	11.4	2.8	57.0	57.3	11.8	2.9	49.0	48.0	7.5	2.3	—	—	—	—
Math Computation	54.0	54.0	10.0	2.9	48.0	48.1	10.1	2.3	53.0	52.7	10.1	2.8	49.0	48.0	7.8	2.4	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	49.0	50.3	11.7	2.3	51.0	51.9	10.4	2.5	50.0	47.4	8.8	2.4	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	48.2	12.1	2.3	51.0	51.0	11.8	2.5	49.0	47.0	8.9	2.3	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	50.7	11.4	2.3	54.0	54.0	10.0	2.5	51.0	49.3	8.3	2.3	—	—	—	—
SPRING 1975 THIRD GRADE (N)					180	—	—	—	294.0	—	—	—	189.0	—	—	—	143.0	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	59.0	58.4	11.7	3.2	63.0	62.8	12.0	3.6	57.0	55.5	10.7	3.0	—	69.1	13.4	4.2
Reading	61.5	62.0	13.6	3.5	56.0	56.3	11.8	2.9	59.0	59.8	14.1	3.2	53.0	52.7	11.1	2.7	—	67.5	12.0	4.1
Total Reading	61.0	62.0	13.0	3.5	57.0	56.1	11.9	3.1	59.0	60.6	12.7	3.3	53.0	52.7	10.9	2.7	—	67.3	12.6	4.2
Language	70.0	70.0	13.0	4.0	59.0	58.9	10.6	2.9	61.0	63.0	11.6	3.1	56.0	56.7	9.2	2.6	—	69.8	13.2	3.7
Spelling	64.0	64.0	12.3	3.6	61.0	59.2	12.4	3.3	64.0	63.1	11.6	3.6	56.0	56.2	10.9	2.8	—	66.5	11.6	3.7
Math Computation	65.5	66.0	10.7	3.9	58.0	58.3	11.0	3.2	61.0	60.5	11.2	3.4	55.0	55.1	10.1	2.9	—	66.9	10.2	4.0
Math Concepts	67.0	66.0	12.4	3.8	59.0	60.2	12.0	3.1	61.0	62.5	13.2	3.3	57.0	56.6	10.3	3.0	—	70.6	11.4	4.4
Math Problem Solving	68.0	68.0	13.1	3.7	56.0	57.4	13.2	2.9	62.0	59.8	14.9	3.2	55.0	56.4	11.6	2.8	—	69.8	13.1	4.1
Total Mathematics	70.5	70.0	12.0	3.8	61.0	61.5	11.9	3.1	64.0	64.1	13.2	3.3	58.0	58.5	10.9	2.8	—	72.9	11.8	4.1

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 21

STANDARDIZED SCORES FOR THE TOTAL NON-FOLLOW THROUGH POPULATION.

	PUBLISHER'S DATA				ALL GROUPS			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					13.0	—	—	—
Wide Range Achievement Test								
Total Score	*	*	*	*	27.8	29.0	—	—
Reading	*	17.0	7.7	0.6	13.0	13.5	—	0.4
Arithmetic	*	12.7	4.4	0.6	10.0	10.0	—	0.3
Spelling	*	13.9	5.3	0.6	5.0	5.3	—	-0.7
SPRING 1972 KINDERGARTEN (N)					13.0	—	—	—
Wide Range Achievement Test								
Total Score	–	–	–	–	31.6	32.8	—	—
Reading	–	24.1	10.4	1.2	13.0	13.8	—	0.4
Arithmetic	–	17.1	4.7	1.2	9.0	8.8	—	0.2
Spelling	–	18.7	5.7	1.1	10.0	10.2	—	0.2
Metropolitan Achievement Test (N) (Primer)					13.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.1	26.6	—	—
Reading	25.5	25.0	6.0	**	25.9	25.4	—	—
Numbers	23.0	24.0	9.3	**	22.2	22.6	—	—
SPRING 1973 FIRST GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary I)								
Word Knowledge	41.0	41.0	11.6	1.9	38.0	38.8	—	1.7
Word Analysis	37.5	38.0	8.5	1.8	37.0	37.9	—	1.7
Reading	39.5	40.0	10.2	1.8	38.0	38.7	—	1.7
Total Reading	40.0	40.0	10.0	1.9	37.0	37.8	—	1.8
Total Mathematics	42.0	43.0	12.6	1.8	36.0	36.5	—	1.5
SPRING 1974 SECOND GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary II)								
Word Knowledge	54.0	55.0	10.2	2.7	53.0	52.9	—	2.6
Word Analysis	52.0	52.0	10.4	2.8	50.0	49.1	—	2.6
Reading	53.0	53.0	11.7	2.7	50.0	50.2	—	2.4
Total Reading	52.5	54.0	10.9	2.7	50.0	49.2	—	2.5
Spelling	56.5	57.0	11.4	2.9	54.0	54.2	—	2.6
Math Computations	54.0	54.0	10.0	2.9	50.0	49.4	—	2.5
Math Concepts	57.0	58.0	11.8	3.0	50.0	49.6	—	2.4
Math Problem Solving	57.0	57.0	12.1	2.9	50.0	50.1	—	2.4
Total Mathematics	57.0	58.0	11.1	2.7	52.0	51.4	—	2.4
SPRING 1975 THIRD GRADE (N)					13.0	—	—	—
Metropolitan Achievement Test (Elementary)								
Word Knowledge	63.5	63.0	12.0	3.7	61.0	60.8	—	3.4
Reading	61.5	62.0	13.6	3.5	58.0	58.2	—	3.1
Total Reading	61.0	62.0	13.0	3.5	58.0	58.4	—	3.2
Language	70.0	70.0	13.0	4.0	61.0	62.1	—	3.1
Spelling	64.0	64.0	12.3	3.6	62.0	61.7	—	3.4
Math Computations	65.5	66.0	10.7	3.9	61.0	60.8	—	3.4
Math Concepts	67.0	66.0	12.4	3.8	61.0	62.0	—	3.3
Math Problem Solving	68.0	68.0	13.1	3.7	61.0	60.6	—	3.1
Total Mathematics	70.5	70.0	12.0	3.8	64.0	64.1	—	3.3

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

*** Totals reflect an average value across region-citysize strata.

Table 22

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND HAVE ENTRY PARENT INTERVIEW DATA BY CITYSIZE IN THE NORTHEAST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					580.0	—	—	—	464.0	—	—	—	307.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	25.9	27.8	12.8	—	25.8	28.3	13.1	—	27.6	29.7	13.7	—	—	—	—	—
Reading	*	17.0	7.7	0.6	12.0	14.0	6.4	0.3	12.0	13.7	6.4	0.3	13.0	14.9	7.1	0.4	—	—	—	—
Arithmetic	*	12.7	4.4	0.6	9.0	9.2	4.5	0.2	9.0	9.3	4.7	0.2	11.0	10.1	4.7	0.4	—	—	—	—
Spelling	*	13.9	5.3	0.6	3.0	4.6	4.2	-0.9	5.0	5.3	4.2	-0.7	4.0	4.8	3.9	-0.8	—	—	—	—
SPRING 1972 KINDERGARTEN (N)					205.0	—	—	—	266.0	—	—	—	230.0	—	—	—	—	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	31.2	31.9	12.8	—	38.5	38.4	13.0	—	33.6	34.9	13.5	—	—	—	—	—
Reading	-	24.1	10.4	1.2	14.0	14.1	6.6	0.4	16.0	16.7	7.1	0.6	14.0	14.5	7.2	0.4	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	9.0	8.8	3.9	0.2	9.0	9.3	3.3	0.2	9.0	9.1	3.3	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	9.0	9.1	5.3	0.1	12.0	12.4	5.2	0.4	11.0	11.3	5.2	0.3	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					165.0	—	—	—	251.0	—	—	—	213.0	—	—	—	—	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	25.8	26.4	4.5	—	27.2	27.5	4.7	—	26.8	27.6	4.6	—	—	—	—	—
Reading	25.5	25.0	6.0	**	26.2	25.7	4.0	—	27.6	27.3	4.3	—	26.6	26.0	4.9	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	22.7	23.6	7.5	—	23.2	23.8	6.7	—	22.1	23.0	6.6	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					154.0	—	—	—	161.0	—	—	—	111.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	37.0	38.2	10.4	1.7	38.0	39.5	11.6	1.7	41.0	40.6	12.1	1.9	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	37.0	37.4	7.6	1.7	36.0	37.3	8.2	1.7	38.0	40.0	9.2	1.8	—	—	—	—
Reading	39.5	40.0	10.2	1.8	38.0	37.8	9.7	1.7	37.0	37.7	9.9	1.6	39.0	40.7	10.4	1.7	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	36.0	37.3	9.2	1.7	36.0	37.6	9.8	1.7	40.0	39.8	9.0	1.9	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	35.0	37.6	9.7	1.5	33.0	34.7	10.1	1.4	35.0	38.1	10.4	1.5	—	—	—	—
SPRING 1974 SECOND GRADE (N)					234.0	—	—	—	185.0	—	—	—	156.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	51.0	51.7	9.2	2.5	52.0	53.5	10.4	2.5	55.0	55.7	10.3	2.8	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	47.0	47.3	10.1	2.4	50.0	49.7	11.1	2.6	53.0	52.4	10.3	2.9	—	—	—	—
Reading	53.0	53.0	11.7	2.7	49.0	48.0	9.8	2.3	50.0	50.1	11.3	2.4	53.0	52.9	12.8	2.7	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	49.0	46.8	14.6	2.4	50.0	50.3	13.6	2.5	53.0	52.8	14.1	2.7	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	54.0	54.2	12.0	2.6	56.0	55.3	11.4	2.8	55.0	56.0	11.7	2.7	—	—	—	—
Math Computations	54.0	54.0	10.0	2.9	50.0	48.9	10.5	2.5	50.0	49.9	10.8	2.5	51.0	51.3	10.8	2.6	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	48.0	46.7	10.7	2.2	48.0	48.6	12.0	2.2	52.0	52.5	12.1	2.6	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	49.3	11.2	2.3	50.0	50.5	11.1	2.4	51.0	52.3	12.6	2.5	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	49.9	10.9	2.3	52.0	51.2	11.7	2.4	53.0	54.0	11.9	2.4	—	—	—	—
SPRING 1975 THIRD GRADE (N)					142.0	—	—	—	175.0	—	—	—	150.0	—	—	—	—	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	58.9	12.8	3.1	63.0	61.7	12.7	3.6	64.0	64.1	12.7	3.7	—	—	—	—
Reading	61.5	62.0	13.6	3.5	55.0	55.5	11.0	2.8	59.0	58.8	14.2	3.2	59.0	61.2	15.1	3.2	—	—	—	—
Total Reading	61.0	62.0	13.0	3.5	55.0	56.0	11.1	2.9	59.0	59.3	13.3	3.3	61.0	61.9	14.1	3.5	—	—	—	—
Language	70.0	70.0	13.0	4.0	57.0	58.3	10.1	2.7	60.0	63.4	14.0	3.0	61.0	63.5	13.1	3.1	—	—	—	—
Spelling	64.0	64.0	12.3	3.6	65.0	62.6	14.0	3.7	65.0	63.4	13.3	3.7	65.0	64.6	11.5	3.7	—	—	—	—
Math Computations	65.5	66.0	10.7	3.9	60.0	59.9	12.6	3.3	64.0	63.7	12.4	3.7	61.0	60.5	12.3	3.4	—	—	—	—
Math Concepts	67.0	66.0	12.4	3.8	59.0	58.1	10.5	3.1	63.0	62.8	14.0	3.4	63.0	64.1	13.1	3.4	—	—	—	—
Math Problem Solving	68.0	68.0	13.1	3.7	58.0	56.9	12.5	3.0	62.0	62.0	15.2	3.2	60.0	60.6	15.3	3.1	—	—	—	—
Total Mathematics	70.5	70.0	12.0	3.8	62.0	61.2	11.8	3.1	67.0	66.0	14.2	3.5	64.0	64.9	13.8	3.3	—	—	—	—

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 23

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND HAVE ENTRY PARENT INTERVIEW DATA BY CITYSIZE IN THE NORTH CENTRAL REGION.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					760.0	—	—	—	583.0	—	—	—					389	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	26.9	28.7	12.7	—	29.8	30.6	13.1	—					32.0	32.4	14.3	—
Reading	*	17.0	7.7	0.6	12.0	13.5	6.3	0.3	13.0	14.4	6.4	0.4					12.0	13.9	7.0	0.3
Arithmetic	*	12.7	4.4	0.6	11.0	10.3	4.4	0.4	11.0	10.6	4.7	0.4					12.0	10.8	4.8	0.5
Spelling	*	13.9	5.3	0.6	4.0	5.0	4.3	-0.8	5.0	5.7	4.2	-0.7					8.0	7.6	4.7	-0.1
SPRING 1972 KINDERGARTEN (N)					402.0	—	—	—	292.0	—	—	—					215.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	34.0	35.1	12.2	—	35.3	38.1	13.5	—					36.9	38.3	12.5	—
Reading	-	24.1	10.4	1.2	14.0	14.8	6.2	0.4	16.0	16.8	7.4	0.6					16.0	16.7	6.9	0.6
Arithmetic	-	17.1	4.7	1.2	9.0	9.2	3.4	0.2	10.0	9.7	3.2	0.3					10.0	10.2	3.1	0.3
Spelling	-	18.7	5.7	1.1	10.0	11.1	4.9	0.2	11.0	11.6	5.4	0.3					11.0	11.3	4.8	0.3
Metropolitan Achievement Test (Primer) (N)					381.0	—	—	—	278.0	—	—	—					210.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.7	27.1	4.4	—	26.6	27.5	4.9	—					26.8	27.6	4.6	—
Reading	25.5	25.0	6.0	**	26.2	26.0	4.3	—	26.3	26.6	4.6	—					26.8	26.3	4.6	—
Numbers	23.0	24.0	9.3	**	22.3	22.9	6.2	—	23.9	25.3	7.5	—					25.4	26.2	5.7	—
SPRING 1973 FIRST GRADE (N)					140.0	—	—	—	186.0	—	—	—					158	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	36.0	38.5	12.1	1.6	43.0	42.5	11.7	1.9					47.0	46.4	11.7	2.2
Word Analysis	37.5	38.0	8.5	1.8	36.0	36.0	8.9	1.7	40.0	40.6	8.2	1.9					44.0	43.8	9.4	2.1
Reading	39.5	40.0	10.2	1.8	38.0	39.2	10.0	1.7	41.0	41.3	10.5	1.8					46.0	47.5	12.0	2.1
Total Reading	40.0	40.0	10.0	1.9	36.0	38.0	10.1	1.7	41.0	40.9	9.8	1.9					46.0	45.9	11.0	2.2
Total Mathematics	42.0	43.0	12.6	1.8	34.0	35.7	11.6	1.4	37.0	39.5	9.2	1.6					47.0	47.5	12.2	2.1
SPRING 1974 SECOND GRADE (N)					154.0	—	—	—	203.0	—	—	—					161.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	52.0	53.5	11.7	2.5	55.0	55.2	9.8	2.8					58.0	59.2	10.3	3.1
Word Analysis	52.0	52.0	10.4	2.8	50.0	48.0	11.1	2.6	55.0	53.5	10.3	3.1					58.0	55.0	8.7	3.4
Reading	53.0	53.0	11.7	2.7	50.0	50.6	12.3	2.4	53.0	52.4	10.7	2.7					56.0	56.6	11.2	2.9
Total Reading	52.5	54.0	10.9	2.7	51.0	48.7	17.8	2.5	53.0	52.0	12.8	2.7					57.0	57.1	11.5	3.1
Spelling	56.5	57.0	11.4	2.9	55.0	52.9	12.0	2.7	57.0	57.5	10.7	2.9					62.0	62.2	10.3	3.4
Math Computations	54.0	54.0	10.0	2.9	49.0	49.0	10.4	2.4	52.0	51.1	9.0	2.7					54.0	54.8	9.6	2.9
Math Concepts	57.0	58.0	11.8	3.0	50.0	49.4	12.7	2.4	53.0	52.4	11.0	2.7					59.0	58.8	12.2	3.1
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	50.7	11.5	2.3	54.0	53.3	11.2	2.7					58.0	57.0	11.1	3.0
Total Mathematics	57.0	58.0	11.1	2.7	52.0	51.1	11.8	2.4	54.0	54.1	10.1	2.5					59.0	58.9	11.0	2.8
SPRING 1975 THIRD GRADE (N)					226.0	—	—	—	234.0	—	—	—					241	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	58.3	12.7	3.1	64.0	63.4	11.2	3.7					69.0	69.2	10.9	4.4
Reading	61.5	62.0	13.6	3.5	55.0	55.3	13.5	2.8	60.0	59.9	13.2	3.3					69.0	67.1	12.8	4.1
Total Reading	61.0	62.0	13.0	3.5	55.0	55.7	13.4	2.9	61.0	60.9	12.1	3.5					67.0	67.6	11.9	4.2
Language	70.0	70.0	13.0	4.0	57.0	59.0	10.8	2.7	60.0	62.0	11.3	3.0					75.0	73.0	12.4	4.7
Spelling	64.0	64.0	12.3	3.6	61.0	59.1	13.2	3.3	65.0	64.9	11.5	3.7					69.0	68.5	9.5	4.3
Math Computations	65.5	66.0	10.7	3.9	58.0	57.4	10.6	3.2	53.0	62.5	9.8	3.6					67.0	67.1	9.7	4.0
Math Concepts	67.0	66.0	12.4	3.8	59.0	58.7	12.1	3.1	66.0	65.9	11.9	3.7					71.0	70.8	10.6	4.2
Math Problem Solving	68.0	68.0	13.1	3.7	55.0	57.3	12.8	2.8	65.0	63.5	13.3	3.4					70.0	69.5	12.1	3.9
Total Mathematics	70.5	70.0	12.0	3.8	60.0	60.5	12.1	3.0	67.0	67.5	11.6	3.5					73.0	73.0	10.5	4.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 24

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND HAVE ENTRY PARENT INTERVIEW DATA BY CITYSIZE IN THE SOUTH.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					404.0	—	—	—	—	—	—	—	185.0	—	—	—	164			
Wide Range Achievement Test																				
Total Score	*	*	*	*	19.6	21.4	11.0	—	—	—	—	—	26.6	27.5	13.3	—	21.0	22.5	10.5	
Reading	*	17.0	7.7	0.6	10.0	10.6	5.4	0.2	—	—	—	—	11.0	13.0	5.9	0.2	10.0	9.6	9.3	0.2
Arithmetic	*	12.7	4.4	0.6	8.0	8.0	4.4	0.1	—	—	—	—	10.0	9.4	5.0	0.3	9.0	8.9	3.8	0.2
Spelling	*	13.9	5.3	0.6	2.0	2.8	3.1	-1.2	—	—	—	—	5.0	5.1	4.1	-0.7	3.0	3.9	3.7	-0.9
SPRING 1972 KINDERGARTEN (N)					239.0	—	—	—	—	—	—	—	146.0	—	—	—	67.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	29.4	29.4	10.5	—	—	—	—	—	33.8	32.5	14.1	—	23.6	24.5	11.1	—
Reading	-	24.1	10.4	1.2	12.0	12.3	5.8	0.3	—	—	—	—	14.0	13.6	7.3	0.4	8.0	8.1	6.9	-0.1
Arithmetic	-	17.1	4.7	1.2	8.0	7.6	3.0	0.1	—	—	—	—	9.0	8.7	3.6	0.2	9.0	8.4	2.6	0.2
Spelling	-	18.7	5.7	1.1	9.0	9.5	4.0	0.1	—	—	—	—	10.0	10.2	5.0	0.2	8.0	7.9	4.6	-0.1
Metropolitan Achievement Test (Primer) (N)					222.0	—	—	—	—	—	—	—	137.0	—	—	—	35.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	24.5	24.7	3.6	—	—	—	—	—	25.9	26.5	4.2	—	25.0	25.9	4.1	—
Reading	25.5	25.0	6.0	**	25.5	24.4	4.2	—	—	—	—	—	26.0	24.7	5.1	—	26.1	24.6	4.4	—
Numbers	23.0	24.0	9.3	**	20.2	19.7	5.7	—	—	—	—	—	22.7	22.3	6.5	—	22.1	21.5	4.2	—
SPRING 1973 FIRST GRADE (N)					82.0	—	—	—	—	—	—	—	57.0	—	—	—	67.0			—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	30.0	32.1	10.1	1.4	—	—	—	—	42.0	44.4	13.8	1.9	35.0	33.8	7.6	1.6
Word Analysis	37.5	38.0	8.5	1.8	32.0	32.1	6.9	1.4	—	—	—	—	38.0	41.7	10.6	1.8	34.0	33.6	5.4	1.5
Reading	39.5	40.0	10.2	1.8	35.0	34.9	6.7	1.5	—	—	—	—	41.0	42.3	12.9	1.8	38.0	37.1	5.9	1.7
Total Reading	40.0	40.0	10.0	1.9	31.0	32.5	7.9	1.5	—	—	—	—	40.0	42.4	12.5	1.9	36.0	35.1	5.9	1.7
Total Mathematics	42.0	43.0	12.6	1.8	30.0	29.3	8.3	1.2	—	—	—	—	38.0	39.7	10.2	1.6	32.0	30.5	7.8	1.3
SPRING 1974 SECOND GRADE (N)					107.0	—	—	—	—	—	—	—	108.0	—	—	—	38.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	46.0	45.4	8.1	2.1	—	—	—	—	58.0	58.5	10.5	3.1	51.0	48.2	9.1	2.5
Word Analysis	52.0	52.0	10.4	2.8	38.0	40.8	10.2	1.8	—	—	—	—	55.0	52.9	10.5	3.1	44.0	42.8	10.6	2.1
Reading	53.0	53.0	11.7	2.7	42.0	42.0	8.4	1.9	—	—	—	—	56.0	56.2	12.0	2.9	47.0	45.3	8.8	2.2
Total Reading	52.5	54.0	10.9	2.7	41.0	35.7	18.4	1.9	—	—	—	—	56.0	55.4	15.9	3.0	48.0	43.9	12.9	2.3
Spelling	56.5	57.0	11.4	2.9	43.0	46.0	10.9	1.9	—	—	—	—	60.0	59.1	11.9	3.1	49.0	51.0	11.6	2.3
Math Computations	54.0	54.0	10.0	2.9	45.0	43.0	8.2	2.1	—	—	—	—	55.0	55.7	11.7	2.9	45.0	44.4	9.7	2.1
Math Concepts	57.0	58.0	11.8	3.0	42.0	41.3	8.6	1.9	—	—	—	—	55.0	54.4	10.3	2.8	46.0	44.1	9.4	2.1
Math Problem Solving	57.0	57.0	12.1	2.9	43.0	43.9	8.0	2.0	—	—	—	—	55.0	55.6	10.3	2.8	43.0	44.7	8.1	2.0
Total Mathematics	57.0	58.0	11.1	2.7	44.0	43.7	8.3	1.9	—	—	—	—	57.0	57.3	10.4	2.7	46.0	45.4	9.3	2.0
SPRING 1975 THIRD GRADE (N)					157.0	—	—	—	—	—	—	—	104.0	—	—	—	108.0			—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	51.0	51.3	11.1	2.5	—	—	—	—	67.0	65.6	10.1	4.1	56.0	55.5	8.1	2.9
Reading	61.5	62.0	13.6	3.5	50.0	49.1	10.6	2.4	—	—	—	—	64.0	63.8	13.8	3.7	53.0	53.1	10.0	2.7
Total Reading	61.0	62.0	13.0	3.5	49.0	48.4	11.5	2.4	—	—	—	—	65.0	64.0	11.6	3.9	53.0	53.0	8.7	2.7
Language	70.0	70.0	13.0	4.0	56.0	55.9	8.6	2.6	—	—	—	—	69.0	68.7	10.6	3.9	59.0	58.6	8.4	2.9
Spelling	64.0	64.0	12.3	3.6	52.0	53.4	12.5	2.5	—	—	—	—	66.0	65.1	11.8	3.9	61.0	59.3	13.7	3.3
Math Computations	65.5	66.0	10.7	3.9	53.0	52.5	9.6	2.8	—	—	—	—	66.0	66.6	11.1	3.9	58.0	57.1	10.7	3.2
Math Concepts	67.0	66.0	12.4	3.8	51.0	52.5	10.7	2.5	—	—	—	—	87.0	67.8	11.5	3.8	56.0	56.5	9.6	2.9
Math Problem Solving	68.0	68.0	13.1	3.7	53.0	51.9	10.9	2.7	—	—	—	—	65.0	67.0	12.4	3.4	58.0	56.7	11.3	3.0
Total Mathematics	70.5	70.0	12.0	3.8	53.0	54.2	10.3	2.4	—	—	—	—	70.0	70.9	11.7	3.7	60.0	59.4	10.5	3.0

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test

Table 25

STANDARDIZED SCORES FOR NON-FOLLOW THROUGH CHILDREN WHO WERE TESTED AT ENTRY TO KINDERGARTEN AND HAVE ENTRY PARENT INTERVIEW DATA BY CITYSIZE IN THE WEST.

	PUBLISHER'S DATA				LARGE CITY				MEDIUM CITY				SMALL CITY				RURAL AREA			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					420	—	—	—	405.0	—	—	—	323.0	—	—	—	103.0	—	—	—
Wide Range Achievement Test																				
Total Score	*	*	*	*	30.6	31.4	12.1	—	29.4	30.4	12.7	—	25.6	27.1	12.0	—	40.6	39.0	11.0	—
Reading	*	17.0	7.7	0.6	14.0	15.3	6.0	0.4	12.0	14.0	6.2	0.3	11.0	12.7	6.0	0.2	19.0	18.0	6.3	0.8
Arithmetic	*	12.7	4.4	0.6	11.0	10.3	4.6	0.4	11.0	10.6	4.5	0.4	10.0	9.5	4.4	0.3	14.0	12.7	3.9	0.7
Spelling	*	13.9	5.3	0.6	5.0	5.8	4.1	-0.7	5.0	5.9	4.3	-0.7	4.0	4.9	3.9	-0.8	8.0	8.2	3.7	-0.1
SPRING 1972 KINDERGARTEN (N)					46.0	—	—	—	232.0	—	—	—	164.0	—	—	—	0.0	—	—	—
Wide Range Achievement Test																				
Total Score	-	-	-	-	35.8	37.5	15.3	—	32.5	34.5	12.7	—	29.4	30.7	10.9	—	—	—	—	—
Reading	-	24.1	10.4	1.2	16.0	16.2	7.9	0.6	14.0	14.8	6.4	0.4	12.0	12.5	6.3	0.3	—	—	—	—
Arithmetic	-	17.1	4.7	1.2	9.0	9.6	3.5	0.2	10.0	9.5	3.4	0.3	9.0	8.7	2.7	0.2	—	—	—	—
Spelling	-	18.7	5.7	1.1	12.0	11.8	6.3	0.4	10.0	10.2	5.0	0.2	9.0	9.5	4.2	0.1	—	—	—	—
Metropolitan Achievement Test (Primer) (N)					46.0	—	—	—	216.0	—	—	--	155.0	—	—	—	0.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	27.0	27.3	5.8	—	26.5	27.2	4.7	—	25.9	25.9	3.5	—	—	—	—	—
Reading	25.5	25.0	6.0	**	26.5	26.2	5.5	—	25.9	25.7	4.5	—	24.5	24.1	4.6	—	—	—	—	—
Numbers	23.0	24.0	9.3	**	22.0	23.9	7.8	—	23.0	23.6	7.4	—	21.4	22.1	5.0	—	—	—	—	—
SPRING 1973 FIRST GRADE (N)					135.0	—	—	—	85.0	—	—	—	107.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary I)																				
Word Knowledge	41.0	41.0	11.6	1.9	36.0	37.6	10.5	1.6	37.0	39.4	11.7	1.7	34.0	34.0	9.1	1.5	—	—	—	—
Word Analysis	37.5	38.0	8.5	1.8	36.0	36.5	8.1	1.7	38.0	38.5	8.1	1.8	35.0	35.9	7.7	1.6	—	—	—	—
Reading	39.5	40.0	10.2	1.8	34.0	35.9	9.4	1.5	37.0	37.6	10.6	1.6	33.0	33.0	7.5	1.5	—	—	—	—
Total Reading	40.0	40.0	10.0	1.9	36.0	36.0	9.3	1.7	36.0	37.6	10.4	1.7	31.0	32.8	7.5	1.5	—	—	—	—
Total Mathematics	42.0	43.0	12.6	1.8	33.0	34.4	9.7	1.4	36.0	38.2	10.9	1.5	32.0	32.7	8.8	1.3	—	—	—	—
SPRING 1974 SECOND GRADE (N)					33.0	—	—	—	110.0	—	—	—	104.0	—	—	—	0.0	—	—	—
Metropolitan Achievement Test (Primary II)																				
Word Knowledge	54.0	55.0	10.2	2.7	55.0	55.9	9.8	2.8	52.0	53.5	9.9	2.5	49.0	48.5	7.3	2.3	—	—	—	—
Word Analysis	52.0	52.0	10.4	2.8	55.0	54.0	10.8	3.1	53.0	52.1	10.3	2.9	45.0	45.6	8.2	2.2	—	—	—	—
Reading	53.0	53.0	11.7	2.7	54.0	54.2	12.1	2.7	51.0	50.3	11.1	2.5	45.0	45.0	9.5	2.0	—	—	—	—
Total Reading	52.5	54.0	10.9	2.7	53.0	53.4	14.2	2.7	50.0	48.2	16.9	2.5	47.0	43.7	13.6	2.3	—	—	—	—
Spelling	56.5	57.0	11.4	2.9	57.0	56.6	11.3	2.9	56.0	55.5	11.8	2.8	49.0	48.2	7.7	2.3	—	—	—	—
Math Computations	54.0	54.0	10.0	2.9	48.0	48.2	10.4	2.3	53.0	52.1	10.7	2.8	50.0	48.5	8.1	2.5	—	—	—	—
Math Concepts	57.0	58.0	11.8	3.0	49.0	50.9	11.8	2.3	51.0	50.6	10.1	2.5	49.0	47.6	8.6	2.3	—	—	—	—
Math Problem Solving	57.0	57.0	12.1	2.9	49.0	49.4	11.4	2.3	51.0	51.0	12.2	2.5	49.0	48.0	8.6	2.3	—	—	—	—
Total Mathematics	57.0	58.0	11.1	2.7	51.0	51.4	11.4	2.3	54.0	53.3	10.5	2.5	52.0	49.9	8.0	2.4	—	—	—	—
SPRING 1975 THIRD GRADE (N)					100.0	—	—	—	168.0	—	—	—	118.0	—	—	—	49.0	—	—	—
Metropolitan Achievement Test (Elementary)																				
Word Knowledge	63.5	63.0	12.0	3.7	58.0	57.2	12.0	3.1	64.0	63.1	11.9	3.7	56.0	55.9	10.6	2.9	74.0	75.9	12.7	5.2
Reading	61.5	62.0	13.6	3.5	55.0	54.9	11.3	2.8	59.0	60.1	13.3	3.2	53.0	53.4	10.4	2.7	71.0	72.5	9.7	4.5
Total Reading	61.0	62.0	13.0	3.5	56.0	54.7	11.7	3.0	59.0	60.9	12.1	3.3	53.0	53.3	10.6	2.7	72.0	73.1	10.7	4.8
Language	70.0	70.0	13.0	4.0	56.0	57.1	10.0	2.6	61.0	63.6	11.5	3.1	57.0	57.2	9.1	2.7	76.0	76.1	11.2	4.8
Spelling	64.0	64.0	12.3	3.6	59.0	57.0	12.4	3.0	65.0	63.1	11.0	3.7	56.0	56.6	10.6	2.8	69.0	71.5	10.5	4.3
Math Computations	65.5	66.0	10.7	3.9	57.0	56.2	10.4	3.1	62.0	60.5	10.7	3.5	55.0	54.8	9.8	2.9	69.0	70.3	7.5	4.2
Math Concepts	67.0	66.0	12.4	3.8	57.0	58.7	11.2	3.0	63.0	62.5	13.6	3.4	57.0	56.5	10.2	3.0	77.0	76.2	8.6	4.9
Math Problem Solving	68.0	68.0	13.1	3.7	51.0	56.1	12.3	2.8	62.0	59.4	14.5	3.2	55.0	56.5	11.7	2.8	76.0	74.7	9.1	4.6
Total Mathematics	70.5	70.0	12.0	3.8	60.0	59.7	10.9	3.1	65.0	64.0	13.1	3.3	58.0	58.4	10.7	2.8	80.0	77.9	7.8	4.7

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion.

**The publisher of the Metropolitan Achievement Test does not provide these data for the Primer level.

Table 26

STANDARDIZED SCORES
FOR THE TOTAL NON-FOLLOW THROUGH
LONGITUDINAL POPULATION

	PUBLISHER'S DATA				ALL GROUPS			
	Standard Score			Grade Equiv.	Standard Score			Grade Equiv.
	Median	Mean	S.D.	Median	Median	Mean	S.D.	Median
FALL 1971 KINDERGARTEN (N)					12.0		—	—
Wide Range Achievement Test								
Total Score	*	*	*	*	28.0	29.4	—	--
Reading	*	17.0	7.7	0.6	12.0	13.7	—	0.3
Arithmetic	*	12.7	4.4	0.6	10.0	10.3	—	0.3
Spelling	*	13.9	5.3	0.6	5.0	5.4	—	-0.7
SPRING 1972 KINDERGARTEN (N)					12.0	—	—	—
Wide Range Achievement Test								
Total Score	–	–	–	–	33.8	34.9	—	—
Reading	–	24.1	10.4	1.2	15.0	14.9	—	0.5
Arithmetic	–	17.1	4.7	1.2	10.0	9.3	—	0.3
Spelling	–	18.7	5.7	1.1	10.0	10.7	—	0.2
Metropolitan Achievement Test (N) (Primer)					12.0	—	—	—
Listening for Sounds	25.5	26.0	5.8	**	26.3	27.1	—	—
Reading	25.5	25.0	6.0	**	26.4	26.1	—	—
Numbers	23.0	24.0	9.3	**	22.8	23.6	—	—
SPRING 1973 FIRST GRADE (N)					12.0		—	—
Metropolitan Achievement Test (Primary I)								
Word Knowledge	41.0	41.0	11.6	1.9	40.0	40.5	—	1.8
Word Analysis	37.5	38.0	8.5	1.8	38.0	38.9	—	1.8
Reading	39.5	40.0	10.2	1.8	39.0	39.7	—	1.7
Total Reading	40.0	40.0	10.0	1.9	38.0	39.3	—	1.8
Total Mathematics	42.0	43.0	12.6	1.8	36.0	37.6	—	1.5
SPRING 1974 SECOND GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Primary II)								
Word Knowledge	54.0	55.0	10.2	2.7	53.0	53.6	—	2.6
Word Analysis	52.0	52.0	10.4	2.8	50.0	50.1	—	2.6
Reading	53.0	53.0	11.7	2.7	51.0	50.3	—	2.5
Total Reading	52.5	54.0	10.9	2.7	51.0	50.3	—	2.5
Spelling	56.5	57.0	11.6	2.9	55.0	55.1	—	2.7
Math Computations	54.0	54.0	10.0	2.9	50.0	49.8	—	2.5
Math Concepts	57.0	58.0	11.8	3.0	50.0	50.0	—	2.4
Math Problem Solving	57.0	57.0	12.1	2.9	50.0	50.5	—	2.4
Total Mathematics	57.0	58.0	11.1	2.7	52.0	51.8	—	2.4
SPRING 1975 THIRD GRADE (N)					12.0	—	—	—
Metropolitan Achievement Test (Elementary)								
Word Knowledge	63.5	63.0	12.0	3.7	61.0	60.7	—	3.4
Reading	61.5	62.0	13.6	3.5	57.0	57.6	—	3.0
Total Reading	61.0	62.0	13.0	3.5	58.0	58.2	—	3.2
Language	70.0	70.0	13.0	4.0	61.0	61.5	—	3.1
Spelling	64.0	64.0	12.3	3.6	63.0	62.0	—	3.5
Math Computations	65.5	66.0	10.7	3.9	60.0	64.8	—	3.3
Math Concepts	67.0	66.0	12.4	3.8	61.0	60.8	—	3.3
Math Problem Solving	68.0	68.0	13.1	3.7	59.0	59.3	—	3.0
Total Mathematics	70.5	70.0	12.0	3.8	63.0	63.0	—	3.2

*The publisher of the Wide Range Achievement Test does not provide these data. See text for further discussion

**The publisher of the Metropolitan Achievement Test

EXPLORATORY WORK TOWARD ENTRY AND LONGITUDINAL STUDIES

In this section of the Interim Descriptive Report we present an overview of a number of additional breakdowns, using various combinations of test and descriptor variables not found in the body of this report. Our aim is to provide the interested reader with data and narrative complementary to the main descriptive presentation, but with an eye toward outlining substantive concerns to be addressed in subsequent reports--i.e., the Entry Level and Longitudinal Studies--and some of the methodological implications the Interim Descriptive Study has for the analyses to be done for these later reports.

To this end we will examine the distributions of the total fall kindergarten WRAT, the third grade MAT Total Reading and third grade MAT Total Mathematics test scores, broken down by area and the following descriptors:

- POVERTY: whether the child's family is above or below the poverty line.
- MOTHERED:* whether or not the mother completed high school.
- FHOH:* whether or not the head of the household is female.
- PRESCHOL:* the child's preschool experience, whether in Head Start, other preschool, or none.
- SEX: sex of child.
- AGE: age at entry, in six-month intervals.
- LANGUAG:* whether English or a different language is the primary language at home.
- ETHNICTY:* White, Black, or other.
- MOVES: the number of times a child changed schools.
- SCHOOLS: the total number of different schools attended (not necessarily redundant with MOVES since the child may transfer out of a school to which he later returns).
- ECONSTAT:* a single four-category indicator showing whether a family's income is above or below $10,000/year and whether they are above or below the poverty line.

---

*Note that these are actual variable names as the computer "knows" them, hence the unconventional spellings.

The presentation will be divided into four sections, corresponding to the four overlapping sets of data cases already defined. Data will be discussed first for the pre-post group, then for the entry level group. Next we will discuss breakdowns on the traced longitudinal group, and finally on the NFT children with data present at any point from fall kindergarten through the third grade tests. The data required of the various groups is graphically represented in Figure 1 at the beginning of this report. These groups overlap, and we will discuss their congruence with and deviations from patterns found in the pre-post group.

The Pre-Post Group of Data Cases

In examining the breakdown of data on 1,972 children with fall kindergarten WRAT (pre-) and third grade MAT Total Reading and Total Math (post-) test scores, we will consider three measures together for each area-by-descriptor combination. When examined in this manner, certain rather consistent patterns emerge.

First, if we ignore cells with fewer than 11 cases, we find that in any given table the standard deviations within cells are relatively consistent, never varying more than a few points from the overall standard deviation.

A second pattern which emerges is the strong tendency for Western rural locations to have highest test score means while Southern large cities and/or Southern rural areas generally display the lowest test score means, almost without regard for the other descriptor variable used or the level of that descriptor being considered. This may be due to sampling or it may be representative of disadvantaged children in these areas. In subsequent discussion we will make use of a shorthand device by referring to this tendency simply as the "hi/lo" pattern, for it emerges repeatedly. In the case of some measures--such as the second grade MAT scores--where data were not collected on all children, certain areas disappear completely, the Western rural area being a specific example. When this happens, Northcentral rural areas usually show the highest cell means, providing a kind of Northcentral vs. South comparison, with Northern and non-rural Western areas showing means in between.

When the total WRAT and third grade MAT Total Reading and Total Math scores are broken down by area and POVERTY (Tables A1-1, A1-2, and A1-3) the "above poverty" group consistently shows a higher overall mean--i.e., differences greater than one-third the overall standard deviation--though the ranges within the "above" and "below" poverty groups on any test are about the same. The differences in means and the reasonable cell sizes combine with relatively consistent standard deviations to support the use of POVERTY (or some quasi-continuous indicator of income) as a predictor in regression models for predicting academic performance at entry and/or exit from the program. The hi/lo pattern described above is found on all three measures for those above and below poverty.

When the mother's education (MOTHERED) descriptor is used (Tables A1-4, A1-5, and A1-6) the fall kindergarten WRAT and third grade MAT means for children whose mothers completed high school are higher than for those whose mothers did not. The number of cases (n=64) lacking data on mother's education is too small to permit meaningful comparisons with the other groups. Cell sizes and mean differences between the high school complete and incomplete groups suggest mother's education is a useful and useable variable in subsequent analyses. The hi/lo pattern emerges in the "complete" and "incomplete" high school groups.

The indicator for female head of household (FHOH) is used in Tables A1-7, A1-8, and A1-9. WRAT means for female-headed households are lower than those for male-headed households, and the third grade MAT means are also lower for female-headed homes. This suggests that this variable exerts influence at entry and may have predictive utility in the Entry Level and Longitudinal Studies. Though cell means conform to the hi/lo pattern, n's for some areas are too small to permit strong conclusions.

Preschool experience (PRESCHOL) appears in Tables A1-10, A1-11, and A1-12. On the fall kindergarten WRAT, the "Head Start" and "none" groups show approximately equal means, but the Head Start group mean is lower than the "other preschool only" mean. Third grade MAT means are approximately equal for the "Head Start" and "other preschool only" groups, with the Head Start means lower than means for the "none" group. This fact, coupled with the relatively equal standard deviations in cells, suggests that the PRESCHOL indicator may be useful in predicting performance on both pre- and posttests, although the tendency is for the Head Start children to show lower means. It should be pointed out that this need not indicate that Head Start is harmful, since from the data here we cannot tell the composition of the "Head Start" group--e.g., whether it is heavily composed of Black children or children of mothers without complete high school educations. In the WRAT data, the hi/lo pattern is clear only in the "no preschool" group, suggesting that an interaction effect between preschool and area operates on WRAT scores. The hi/lo pattern is more clear for the MAT scores on all groups, except in small or empty cells.

The sex descriptor (SEX) is used in Tables A1-13, A1-14, and A1-15. The male and female means on all three test scores are approximately equal, and the hi/lo pattern is relatively clear for both sexes on all three scores, suggesting relatively little predictive utility for this descriptor as a single variable.

The child's age at entry (AGE) appears in Table A1-16, A1-17, and A1-18, broken into six-month intervals. The small numbers of early starters (age 4½) and late starters (ages 6½ and 7) result in numerous empty or small cells, but over the entry age categories of 5, 5½, and 6 years there is a clear tendency for test scores to increase with age at entry (though increments on the MAT scores are fairly small), suggesting some predictive value for this variable. In these same age categories, the hi/lo pattern is relatively clear where cell sizes are reasonable.

The language descriptor (LANGUAG) appears in Tables A1-19, A1-20, and A1-21, but the numbers of Spanish and other non-English speaking homes are so small that many areas disappear, making it difficult to draw any strong conclusions concerning this variable. It does appear, however, that means for children from English-speaking households are higher than for non-English-speaking households on all three measures.

When the fall kindergarten WRAT and third grade MAT data were broken down by area and ethnicity (ETHNICTY) as in Tables A1-22, A1-23, and A1-24, the means on all three performance measures were higher for Whites than for Blacks and others, indicating the importance of ethnicity as a predictor in subsequent analyses. The areas usually showing high means in the hi/lo pattern are not represented in the Black and "other" ethnic categories, so we can draw no conclusions concerning an area-by-ethnicity interaction; however, it may be that the hi/lo pattern is related to ethnic composition.

The number of moves from one school to another (MOVES) appears as a descriptor in the data breakdowns of Tables A1-25, A1-26, and A1-27. The means for cases showing zero, one, or two moves are approximately equal, while the numbers of cases with three moves is too small to permit their means to be considered stable. This suggests that the number of moves has little predictive value relative to the third grade MAT scores. In the case of the WRAT, the number of moves was used as a basis for breakdowns, in the belief that if WRAT means differed over the categories defined by MOVES, it would suggest that some factor(s) related to low entering WRAT scores might also be predictive of later transiency. Such differences, however, failed to appear on the WRAT.

Areas usually showing high means are missing from the two and three move categories, but the hi/lo pattern is evident in the zero and one move groups. When the number of schools attended (SCHOOLS) is used as a descriptor as in Tables A1-28, A1-29, and A1-30, the patterns of means were the same as reported for the number of moves, which is to be expected given the relationship between the two descriptors.

The final descriptor used (ECONSTAT) represents a four-category combination of information on whether annual family income is above or below $10,000 with information on whether this puts the family above or below the poverty line (Tables A1-31, A1-32, and A1-33). As expected, there were no cases in this group whose income was in excess of $10,000 but who were below the poverty line. The "below 10,000/below poverty" group had lower means on all three tests than the "below 10,000/above poverty" group, which showed lower means than the "above 10,000/above poverty" group, suggesting the predictive utility of the information carried in this descriptor. The usual hi/lo pattern was in evidence on all three test scores for all groups.

The Entry Level Group of Data Cases

Those NFT cases with valid fall kindergarten WRAT data and parent interview data make up the entry level group and will be analyzed in detail in the Entry Level Study. This represents the largest group of data cases (N=5087), with the pre-post and traced longitudinal groups being those entry level cases with certain specific additional data bits required.

The present discussion will provide an overview of how the entry level group's data distributions on the WRAT compare with WRAT distributions of the pre-post group discussed above.

In general, WRAT data patterns for the entry level group conform closely to patterns observed in the pre-post group when breakdowns by the several descriptors are generated. To cite specific examples:

- The above poverty group mean is higher than the below poverty mean (A2-34).
- The groups of children whose mothers have high school diplomas has higher means than the group of children whose mothers lack a complete high school education (Table A2-35).
- Means for the group of children from female-headed households are lower than means for the group from male-headed households (Table A2-36).
- Means for "Head Start" and "no preschool" are about equal, and lower for "other preschool" (Table A2-37).
- Sex makes no difference (Table A2-38).
- Means increase with entry age for children 5, 5½, and 6 years old (Table A2-39).
- Means for English-speaking households tend to be higher than for Spanish language households, but small and empty non-English cells are common (Table A2-40).
- Whites have higher means than Blacks (A2-41).
- The means for families with incomes below $10,000 and who are below poverty are lower than for families with incomes below $10,000 and above poverty, and both groups are below families with incomes over $10,000 and above poverty (Table A2-42).
- The number of moves from school to school (Table A2-43) and the number of schools attended (Table A2-44) appear not to be related to entry WRAT performance. This implies that neither high nor low WRAT scores predict mobility.
- Within the limits of cell sizes for the various breakdowns, the hi/lo pattern so frequently observed in the pre-post group generally appeared in the entry level group's Tables.

These findings imply that poverty or some income-based variable predicts entry level WRAT scores (Tables A2-34, A2-42), as do mother's education (Table A2-35), sex of head of household (Table A2-36), preschool (Table A2-37), entry age (Table A2-39), and ethnicity (Tables A2-40, A2-41). The rather consistent hi/lo pattern across these descriptions--given respectable cell sizes--suggests that there is little or no interaction between these descriptors and area relative to WRAT scores. As was the case with the pre-post group, cell standard deviations, both within and across categories of the descriptors, are fairly homogeneous, allaying anxieties concerning the effects of heteroscedasticity in later regression analyses.

The Longitudinal Group of Data Cases

The longitudinal group of data cases is those 814 NFT children who have SES data and on whom complete valid fall kindergarten WRAT, first grade MAT, and third grade MAT data are available. In the Appendix tables relevant to this group (Tables A3-45 through A3-99) the reader will notice that in addition to the fall kindergarten WRAT and third grade MAT test scores already familiar from the foregoing discussion of Appendix tables, we are also presenting results on the first grade MAT Total Reading and Mathematics tests.

An additional difference in this data group is shown in the lack of the Western rural sites (because they were not tested in interim years) which generally showed relatively high means in breakdowns discussed above and was part of what we called the "hi/lo" pattern of area means. In this group of cases we again note a consistent tendency, over all outcome measures, for certain areas to stand out with high and low means, but the pattern is somewhat different. The low means are shown by Southern large cities and rural areas while the high means appear in the large and/or medium cities and rural areas of the Northcentral section of the country. This pattern is almost always in evidence, the few exceptions being when these areas show small n's--i.e., less than 10--or disappear completely from one or more categories of the other descriptor variables. To make use of a terminological shorthand which will be distinct from the hi/lo pattern of previous tables, we will refer to this pattern as the "North hi/South lo" pattern, although Southern small cities frequently show means intermediate between the high and low figures.

Finally, we again encounter relatively homogeneous standard deviations over the various categories of the descriptors, particularly when cell sizes are in excess of 10 cases.

In general, the patterns of cell means over the several descriptors replicate patterns observed in earlier tables, unless we specifically state otherwise. To make the presentation of this data set as concise as possible, we will again discuss all measures together under each descriptor, where the measures are:

- Total fall kindergarten WRAT score (FKW)
- First grade MAT Total Reading standard score (SS1MR)
- First grade MAT Total Mathematics standard score (SS1MMA)
- Third grade MAT Total Reading standard score (SS3MR)
- Third grade MAT Total Mathematics standard score (SS3MMAB)

The table numbers cited will refer to measures in the order listed above, respectively. The specific results were as follows:

- When broken down by the POVERTY descriptor and area, (Tables A3-45 through A3-49), the mean for cases below the poverty line was lower, on all measures, than the above-poverty mean.
- When mother's education (MOTHERED) was used, (Tables A3-50 through A3-54), the means for children of mothers who completed high school education were higher than for those without a complete high school education on all measures.
- The group from female-headed households (FHOH) have lower means than their counterparts in male-headed homes (Tables A3-55 through A3-59).
- Means for children with Head Start or with Head Start plus other preschool experience (PRESCHOL) are approximately equal to those with no preschool experience and below those with "other preschool" on the WRAT. The "Head Start" mean on third grade MAT math is lower than the "no preschool" mean. Means on other measures were about equal. (Tables A1-60 through A1-64).
- Means for males and females (SEX) were approximately equal (Tables A3-65 through A3-69).

- When broken down by age at entry (AGE), the n's for children 4½, 6½, and 7 years old were very small. For children, 5, 5½, and 6 years old, means on the various tests increase with age at entry, though the increments may be small. This is consistent with earlier findings. The relevant data are presented in Tables A3-70 through A3-74.
- The means for English-speaking households (LANGUAG) tend to be higher on all but the third grade MAT Math measure (Tables A3-7 through A3-79). Notice that non-English cell n's get very small.
- Means on all outcomes are higher for Whites than for Blacks (ETHNICTY) (Tables A3-80 through A3-84).
- Means for children with 0, 1, and 2 moves (MOVES) are approximately equal. Cell n's for children with 3 or 4 moves are too small to draw firm conclusions (Tables A3-85 through A3-89). The number of schools attended (SCHOOLS) shows a similar pattern, with approximately equal means for different numbers of schools (Tables A3-90 through A3-94).
- When the income/poverty descriptor (ECONSTAT) was used, the "below $10,000/below poverty" means were lower than the "below $10,000/above poverty" means which were lower than the "above $10,000/above poverty" means (Tables A3-95 through A3-99).
- When cell sizes were relatively large--in excess of 10--the "North Central hi/South lo" pattern described above was generally in evidence.

These results suggest that the POVERTY, MOTHERED, FHOH, PRESCHOL, AGE, LANGUAG, ETHNICTY, and ECONSTAT descriptors will be of predictive utility in the Longitudinal Study analyses. This is very similar to results for the pre-post group.

The Group of Anyone with Data at Any Point

A final, large set of Appendix tables presents a summary of data on anyone present at any given test point: fall kindergarten, spring kindergarten, and the spring of first, second, or third grade. (Notice that parent interview data were not required.) Data sets already presented were examined because they will be used in subsequent analyses--e.g., the Entry Level and Longitudinal Studies. The set of data cases which is the focus of the present discussion is not foreseen as the subject of such future analyses, and the breakdowns are provided solely to compliment the presentation in the earlier descriptive sections of this report. The number of data cases varies over the several test points, and the number of different test scores is considerably greater than was the case for the pre-post, the entry level, or the traced longitudinal sets of cases. In addition, some tables cited in this section show substantial numbers of cases with missing data codes on descriptors because the parent interview data were not required for inclusion in the tables.

As with the discussion of the longtitudinal data set, we will again refer to area differences in means as the "hi/lo" pattern, where in general, Southern large cities and rural areas almost always show the lowest outcome means, regardless of which descriptor category is involved, while Northcentral large or medium cities and rural areas and Western rural areas (when Western rural areas were tested) tend to show the highest corresponding means. Variations on this pattern occur--e.g., in the spring kindergarten and second grade data--when some areas completely disappear due to differences in the extent of testing. In these cases, Western rural areas are generally missing. This leaves Southern large cities and rural areas showing lowest means, while Northcentral medium sized cities and Northcentral rural areas show the highest means. Important exceptions to the hi/lo pattern will be noted below.

Data are drawn from the following tests and subtests, on the numbers of NFT children indicated (the data cases represented by the various test points overlap considerably:

- Total fall kindergarten WRAT score (FKW)-(N = 8881).
- Total spring kindergarten WRAT score (SKW)-(N = 5122).
- Spring kindergarten MAT standard score for "Listing for Sounds" subtest (SSKMLS)-(N = 4654).
- Spring kindergarten MAT standard score for Reading (SSKMRD)-(N = 4654).
- Spring kindergarten MAT standard score for Arithmetic (SSKMMA)-(N = 4654).

- Spring first grade MAT standard score for Total Reading (SS1MR)-(N = 4191).
- Spring first grade MAT standard score for Total Math (SS1MMA)-(N = 4191).
- Spring second grade MAT standard score for Total Reading (S2MR)-(N = 2995).
- Spring second grade MAT standard score for Total Math (SS2MMA)-(N = 2995).
- Spring third grade MAT standard score for Total Reading (SS3MR)-(N = 3941).
- Spring third grade MAT standard score for Total Math (SS3MMAB)-(N = 3941).

Once again, patterns of all means resemble those observed in earlier tables unless we specifically state otherwise. The results were as follows, where table numbers cited refer to the measures in the order listed above:

- When broken down by POVERTY and AREA, the mean for cases below the poverty line was lower than the above poverty mean on all measures. The data are in Tables A4-100 through A4-110.
- When mother's education (MOTHERED) was used, the mean for children whose mothers had completed high school was higher than the mean for children whose mothers had not completed high school on all outcomes. The data appear in Tables A4-111 through A4-121.
- When broken down by whether the head of the household was a female (FHOH), the means for the two groups (female vs. male heads) were nearly equal on the spring kindergarten MAT "listening for sounds" and reading tests. On all other measures the children in female-headed households showed lower means. The data are presented in Tables A4-122 through A4-132.
- Means for children with varying types of preschool experience (PRESCHOL) were approximately equal on all outcomes. Data are presented in Tables A4-133 through A4-143.
- Males and females (SEX) showed similar means on all outcomes. Tables A4-144 through A4-154 present the relevant data.

- When age at entry to kindergarten (AGE) was used, there was a tendency for all outcome means to increase somewhat for the 5, 5 1/2, and 6 year old groups, though in some cases--the spring kindergarten WRAT, MAT "Listening for Sounds," and Reading scores, for example--the differences were small. Tables A4-155 through A4-165 present the relevant data.

- The means for children from homes where only English is spoken (LANGUAG) were usually somewhat--less than 1/3 of a standard deviation--higher than for Spanish-speaking homes, but relatively small non-English groups provide no basis for strong conclusions. The data appear in Tables A4-166 through A4-176.

- Whites showed higher means than Blacks or "Others" (ETHNICTY) on all measures, except the spring kindergarten MAT reading test, Tables A4-177 through A4-187 present the relevant data.

- The number of moves from one school to another (MOVES) was not generally related to means on outcome measures except for the spring kindergarten WRAT and MAT math measures, and the third grade MAT measures, which showed a loose tendency for those with higher numbers of moves to have lower means. Again, relatively small and missing cells make these conclusions highly tentative. The data appear in Tables A4-188 through A4-198.

- The number of different schools attended is not related to means on the outcome measures. Relevant data appear in Tables A4-199 through A4-209.

- When the income/poverty descriptor (ECONSTAT) was used, means for those with incomes below $10,000 and below the poverty line were consistently below means for those with incomes above $10,000 and above the poverty line. Where sufficiently large numbers of cases fell into the category below $10,000/above poverty, to allow meaningful comparisons, their means also tended to be somewhat higher than the "below $10,000/below poverty" means, suggesting that income itself is of less explanatory utility than relationship to the poverty line. The data appear in Tables A4-210 through A4-220.

- In general, where cell sizes were greater than 10, standard deviations of the various outcomes were relatively homogeneous over categories of the descriptors.

- The hi/lo pattern was generally in evidence whenever cell sizes were greater than 10 except for the spring kindergarten MAT "Listening for Sounds" and Reading subtests. In both cases, cell means were relatively homogeneous regardless of the descriptor used, except for POVERTY and ECONSTAT, which are closely related.

Summary and Conclusions

The Appendix Tables A1-1 through A4-220 were presented and discussed both to amplify the amount of information to be gleaned from the descriptive study, and also to assess the potential predictive utility of the several descriptor variables for future analyses. In Figure 6 we present a summary of the descriptor and test variables and the subgroups of data cases for which the descriptors showed useful relationships with the tests. Only the tests to be used in subsequent analyses are shown.

The discussion of Appendix tables and the predictive ability of the descriptors vis-a-vis the outcome measures begs the questions of interaction terms involving the descriptors with each other--e.g., sex-by-ethnicity, sex-by-age at entry--and focuses only on additive relationships with measures and the possibility of descriptor-by-area interactions. Obviously, we must explore descriptor-by-descriptor interactions as part of the Entry Level and Longitudinal Studies, though we have not yet done so. We have, however, learned from the Appendix tables in which cell n's are small--e.g., the "other" racial category of the ETHNICTY descriptor, the "Spanish" and "other" speaking categories under LANGUAG, etc. Thus, we know that while we may generate sex-by-ethnicity or sex-by-language interaction terms, for example, using dummy variables *very* small numbers of cases may fall in some cells. In blocked analyses the estimates obtained on small n's should be unbiased, but also unstable. In a regression-type analysis using dummy variables, the extent of bias will depend on how unbalanced the splits are. For example, assume the male/female split is 50-50, while the English/non-English split is 80-20. If the language groups are evenly divided on sex as in Example A below, the results should be unbiased. If the division is unbalanced, as in Example B, the analyses will be biased. Consequently, crosstabulations of the various descriptors will be run to determine where such imbalances exist, and either delete the interaction term from the analysis or try to counteract the problem by differential weighting of cases.

Example A:

		Language	
		English	Spanish
Sex	Male	40%	10%
	Female	40%	10%

Example B:

		Language	
		English	Spanish
Sex	Male	60%	5%
	Female	20%	15%

Figure 6

Existence of Useful Relationships Between Predictor and Outcome Measures for Each Substudy

Description	Study	FKW	SS1MR	SS1MMA	SS3MR	SS3MMAB
POVERTY	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X	X	X	X	X
MOTHERED	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X	X	X	X	X
FHOH	Pre-Post	X			X	X
	Entry					
	Longitudinal	X	X	X	X	X
PRESCHOL	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X				X
SEX	Pre-Post					
	Entry					
	Longitudinal					
AGE	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X	X	X	X	X
LANGUAG	Pre-Post					
	Entry	X				
	Longitudinal	X	X	X	X	
ETHNICTY	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X	X	X	X	X
MOVES	Pre-Post					
	Entry					
	Longitudinal					
SCHOOLS	Pre-Post					
	Entry					
	Longitudinal					
ECONSTAT	Pre-Post	X			X	X
	Entry	X				
	Longitudinal	X	X	X	X	X

A-1-1

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL               SUM           MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                60141.0000        30.4975        12.9336       167.2780    (  1972)

POVERTY                    1.   BELOW                17918.0000        25.6338        10.9368       119.6135    (   699)
   AREA                   11.   NE LARGE              1673.0000        24.6029        11.8865       141.2878    (    68)
   AREA                   12.   NE MEDIUM             1591.0000        26.0820        10.4248       108.6765    (    61)
   AREA                   13.   NE SMALL               696.0000        26.7692        11.4063       130.1046    (    26)
   AREA                   21.   NCENT LARGE           3184.0000        27.6870        10.4103       108.3748    (   115)
   AREA                   22.   NCENT MEDIUM          1341.0000        25.7885        10.2256       104.5622    (    52)
   AREA                   24.   NCENT RURAL           1158.0000        26.3182        12.5620       157.8034    (    44)
   AREA                   31.   SOUTH LARGE           1861.0000        20.6778        10.0122       100.2433    (    90)
   AREA                   33.   SOUTH SMALL            562.0000        21.6154         8.1686        66.7262    (    26)
   AREA                   34.   SOUTH RURAL           1229.0000        21.1897         8.9118        79.4195    (    58)
   AREA                   41.   WEST LARGE            1660.0000        31.3208        10.5553       111.4144    (    53)
   AREA                   42.   WEST MEDIUM           1648.0000        29.4286        10.7380       115.3039    (    56)
   AREA                   43.   WEST SMALL            1182.0000        25.1489         9.8598        97.2165    (    47)
   AREA                   44.   WEST RURAL             133.0000        44.3333         6.0277        36.3333    (     3)

POVERTY                    2.   ABOVE                42223.0000        33.1681        13.1692       173.4277    (  1273)
   AREA                   11.   NE LARGE              2129.0000        28.7703        12.2581       150.2616    (    74)
   AREA                   12.   NE MEDIUM             3899.0000        34.2018        14.9051       222.1625    (   114)
   AREA                   13.   NE SMALL              4011.0000        32.3468        11.8822       141.1877    (   124)
   AREA                   21.   NCENT LARGE           3767.0000        33.9369        14.0469       197.3142    (   111)
   AREA                   22.   NCENT MEDIUM          6015.0000        33.0495        12.2336       149.6605    (   182)
   AREA                   24.   NCENT RURAL           7489.0000        38.0152        12.4090       153.9845    (   197)
   AREA                   31.   SOUTH LARGE           1441.0000        21.5075        11.5829       134.1628    (    67)
   AREA                   33.   SOUTH SMALL           2614.0000        33.5128        12.9672       168.1492    (    78)
   AREA                   34.   SOUTH RURAL           1241.0000        24.8200         9.7451        94.9669    (    50)
   AREA                   41.   WEST LARGE            1635.0000        34.7872        12.2668       150.4755    (    47)
   AREA                   42.   WEST MEDIUM           3856.0000        34.4286        12.9014       166.4453    (   112)
   AREA                   43.   WEST SMALL            2147.0000        30.2394        11.0343       121.7561    (    71)
   AREA                   44.   WEST RURAL            1979.0000        43.0217         8.8154        77.7106    (    46)

  TOTAL CASES =    1972
```

APPENDIX TO THE [illegible]

PRE-POST GROUP

A-1-2

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3HR
    BROKEN DOWN BY   POVERTY     STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE     VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                   116287.0000       58.9691       13.3236      177.5186    (  1972)

POVERTY                    1.   BELOW                    36678.0000       52.4721       11.3418      128.6364    (   699)
   AREA                   11.   NE LARGE                  3699.0000       54.3971       11.3389      128.5713    (    68)
   AREA                   12.   NE MEDIUM                 3197.0000       52.4098       12.0075      144.1792    (    61)
   AREA                   13.   NE SMALL                  1374.0000       52.8462       12.4730      155.5754    (    26)
   AREA                   21.   NCENT LARGE               5863.0000       50.9826       11.0088      121.1927    (   115)
   AREA                   22.   NCENT MEDIUM              2880.0000       55.3846        8.3223       69.2609    (    52)
   AREA                   24.   NCENT RURAL               2638.0000       59.9545       11.7215      137.3932    (    44)
   AREA                   31.   SOUTH LARGE               4181.0000       46.4556       11.6186      134.9924    (    90)
   AREA                   33.   SOUTH SMALL               1406.0000       54.0769       11.0487      122.0738    (    26)
   AREA                   34.   SOUTH RURAL               2950.0000       50.8621        9.1928       84.5070    (    58)
   AREA                   41.   WEST LARGE                2737.0000       51.6415       10.8381      117.4652    (    53)
   AREA                   42.   WEST MEDIUM               3068.0000       54.7857        8.3660       69.9896    (    56)
   AREA                   43.   WEST SMALL                2450.0000       52.1277       11.6444      135.5920    (    47)
   AREA                   44.   WEST RURAL                 235.0000       78.3333        5.5076       30.3333    (     3)

POVERTY                    2.   ABOVE                    79609.0000       62.5365       12.9826      168.5492    (  1273)
   AREA                   11.   NE LARGE                  4253.0000       57.4730       10.8201      117.0746    (    74)
   AREA                   12.   NE MEDIUM                 7178.0000       62.9649       12.5253      156.8837    (   114)
   AREA                   13.   NE SMALL                  7911.0000       63.7984       13.7746      189.7395    (   124)
   AREA                   21.   NCENT LARGE               6718.0000       60.5225       14.0200      196.5609    (   111)
   AREA                   22.   NCENT MEDIUM             11379.0000       62.5220       12.5014      156.2840    (   182)
   AREA                   24.   NCENT RURAL              13648.0000       69.2792       11.3199      128.1410    (   197)
   AREA                   31.   SOUTH LARGE               3418.0000       51.0149       10.7598      115.7725    (    67)
   AREA                   33.   SOUTH SMALL               5248.0000       67.2821        9.7753       95.5558    (    78)
   AREA                   34.   SOUTH RURAL               2777.0000       55.5400        7.6511       58.5392    (    50)
   AREA                   41.   WEST LARGE                2738.0000       58.2553       11.8275      139.8899    (    47)
   AREA                   42.   WEST MEDIUM               7160.0000       63.9286       12.6054      158.8958    (   112)
   AREA                   43.   WEST SMALL                3834.0000       54.0000        9.8285       96.6000    (    71)
   AREA                   44.   WEST RURAL                3347.0000       72.7609       10.9284      119.4304    (    46)

    TOTAL CASES =     1972
```

A-1-3

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL              SUM           MEAN       STD DEV     VARIANCE      N

FOR ENTIRE POPULATION                               126786.0000       64.2931     13.0763     170.9907   ( 1972)

POVERTY                  1.    BELOW                 41129.0000       58.8398     11.4312     130.6734   (  699)
   AREA                 11.    NE LARGE               4097.0000       60.2500     11.9156     141.9813   (   68)
   AREA                 12.    NE MEDIUM              3584.0000       58.7541     12.6051     158.8885   (   61)
   AREA                 13.    NE SMALL               1442.0000       55.4615     10.3893     107.9385   (   26)
   AREA                 21.    NCENT LARGE            6701.0000       58.2696     10.0283     100.5670   (  115)
   AREA                 22.    NCENT MEDIUM           3318.0000       63.8077     10.9938     120.8643   (   52)
   AREA                 24.    NCENT RURAL            3008.0000       68.3636     11.4203     130.4228   (   44)
   AREA                 31.    SOUTH LARGE            4807.0000       53.4111     10.3380     106.8740   (   90)
   AREA                 33.    SOUTH SMALL            1616.0000       62.1538      8.5823      73.6554   (   26)
   AREA                 34.    SOUTH RURAL            3352.0000       57.7931     10.5178     110.6231   (   58)
   AREA                 41.    WEST LARGE             3041.0000       57.3774      9.1446      83.6241   (   53)
   AREA                 42.    WEST MEDIUM            3175.0000       56.6964     12.4301     154.5062   (   56)
   AREA                 43.    WEST SMALL             2749.0000       58.4894     10.6033     112.4292   (   47)
   AREA                 44.    WEST RURAL              239.0000       79.6667      8.0208      64.3333   (    3)

POVERTY                  2.    ABOVE                 85657.0000       67.2875     12.9589     167.9330   ( 1273)
   AREA                 11.    NE LARGE               4598.0000       62.1351     11.7361     137.7369   (   74)
   AREA                 12.    NE MEDIUM              7967.0000       69.8860     13.4748     181.5710   (  114)
   AREA                 13.    NE SMALL               8293.0000       66.8790     13.6385     186.0096   (  124)
   AREA                 21.    NCENT LARGE            6975.0000       62.8378     13.6078     185.1735   (  111)
   AREA                 22.    NCENT MEDIUM          12473.0000       68.5330     11.5451     133.2890   (  182)
   AREA                 24.    NCENT RURAL           14595.0000       74.0863      9.9958      99.9160   (  197)
   AREA                 31.    SOUTH LARGE            3706.0000       55.3134     10.1656     103.3397   (   67)
   AREA                 33.    SOUTH SMALL            5755.0000       73.7821     11.1770     124.9259   (   78)
   AREA                 34.    SOUTH RURAL            3059.0000       61.1800     10.3385     106.8853   (   50)
   AREA                 41.    WEST LARGE             2931.0000       62.3617     12.1913     148.6272   (   47)
   AREA                 42.    WEST MEDIUM            7585.0000       67.7232     11.8056     139.3731   (  112)
   AREA                 43.    WEST SMALL             4141.0000       58.3239     10.8717     118.1936   (   71)
   AREA                 44.    WEST RURAL             3579.0000       77.8043      7.8418      61.4962   (   46)

  TOTAL CASES =     1972
```

A-1-4

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE    FKW         FALL KIND WRAT TOTAL
    BROKEN DOWN BY    MOTHERED    MOTHER EDUCATION
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                      SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                         60141.0000       30.4975       12.9336       167.2780    (  1972)

MOTHERED                   -97.                                1827.0000       28.5469       11.5812       134.1248    (    64)
   AREA                     11.   NE LARGE                      144.0000       20.5714        7.2768        52.9524    (     7)
   AREA                     12.   NE MEDIUM                     142.0000       23.6667       10.4051       108.2667    (     6)
   AREA                     13.   NE SMALL                       72.0000       24.0000        1.0000         1.0000    (     3)
   AREA                     21.   NCENT LARGE                   496.0000       31.0000       12.3666       152.9333    (    16)
   AREA                     22.   NCENT MEDIUM                  181.0000       36.2000       14.4810       209.7000    (     5)
   AREA                     24.   NCENT RURAL                   126.0000       31.5000        7.0475        49.6667    (     4)
   AREA                     31.   SOUTH LARGE                   164.0000       27.3333       12.7070       161.4667    (     6)
   AREA                     33.   SOUTH SMALL                    34.0000       34.0000             0              0    (     1)
   AREA                     34.   SOUTH RURAL                    60.0000       30.0000        7.0711        50.0000    (     2)
   AREA                     41.   WEST LARGE                    279.0000       31.0000       12.8647       165.5000    (     9)
   AREA                     42.   WEST MEDIUM                    32.0000       16.0000        1.4142         2.0000    (     2)
   AREA                     43.   WEST SMALL                     97.0000       32.3333       17.2436       297.3333    (     3)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE        22661.0000       25.7511       11.4369       130.8038    (   880)
   AREA                     11.   NE LARGE                     1986.0000       25.1392       11.4127       130.2496    (    79)
   AREA                     12.   NE MEDIUM                    2237.0000       26.9518       12.9529       167.7781    (    83)
   AREA                     13.   NE SMALL                     1122.0000       26.7143       10.2773       105.6237    (    42)
   AREA                     21.   NCENT LARGE                  3033.0000       26.1466        9.5747        91.6740    (   116)
   AREA                     22.   NCENT MEDIUM                 2846.0000       26.8491       11.2975       127.6341    (   106)
   AREA                     24.   NCENT RURAL                  2075.0000       28.4247       13.2129       174.5811    (    73)
   AREA                     31.   SOUTH LARGE                  1758.0000       19.5333       10.0663       101.3303    (    90)
   AREA                     33.   SOUTH SMALL                   759.0000       21.6857        8.9271        79.6924    (    35)
   AREA                     34.   SOUTH RURAL                  1380.0000       20.0000        8.9541        80.1765    (    69)
   AREA                     41.   WEST LARGE                   1492.0000       31.0833       11.4721       131.6099    (    48)
   AREA                     42.   WEST MEDIUM                  1923.0000       30.5238       11.7086       137.0922    (    63)
   AREA                     43.   WEST SMALL                   1923.0000       26.7083       10.6128       112.6320    (    72)
   AREA                     44.   WEST RURAL                    127.0000       31.7500        6.9940        48.9167    (     4)

MOTHERED                     2.   HIGH SCHOOL COMPLETE        35653.0000       34.6819       12.7980       163.7887    (  1028)
   AREA                     11.   NE LARGE                     1672.0000       29.8571       13.1846       173.8338    (    56)
   AREA                     12.   NE MEDIUM                    3111.0000       36.1744       13.7132       188.0516    (    86)
   AREA                     13.   NE SMALL                     3513.0000       33.4571       12.1782       148.3082    (   105)
   AREA                     21.   NCENT LARGE                  3422.0000       36.4043       13.8985       193.1682    (    94)
   AREA                     22.   NCENT MEDIUM                 4329.0000       35.1951       11.5345       133.0436    (   123)
   AREA                     24.   NCENT RURAL                  6446.0000       39.3049       11.9073       141.7838    (   164)
   AREA                     31.   SOUTH LARGE                  1380.0000       22.6230       11.0923       123.0388    (    61)
   AREA                     33.   SOUTH SMALL                  2383.0000       35.0441       12.5370       157.1771    (    68)
   AREA                     34.   SOUTH RURAL                  1030.0000       27.8378        8.2479        68.0285    (    37)
   AREA                     41.   WEST LARGE                   1524.0000       35.4419       10.9508       119.9192    (    43)
   AREA                     42.   WEST MEDIUM                  3549.0000       34.4563       12.5540       157.6035    (   103)
   AREA                     43.   WEST SMALL                   1309.0000       30.4419       10.5882       112.1096    (    43)
```

A-1-4 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                  SUM          MEAN          STD DEV       VARIANCE        N
 AREA                     44.  WEST RURAL             1985.0000       44.1111        8.0713       65.1465    (     45)
TOTAL CASES =     1972
```

A-1-5

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE           CODE    VALUE LABEL                   SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                116287.0000       58.9691       13.3236      177.5186   (  1972)

MOTHERED              -97.                             3798.0000       59.3438       14.6474      214.5466   (    64)
   AREA                11.   NE LARGE                   411.0000       58.7143       11.1910      125.2381   (     7)
   AREA                12.   NE MEDIUM                  303.0000       50.5000        5.9582       35.5000   (     6)
   AREA                13.   NE SMALL                   183.0000       61.0000        7.0000       49.0000   (     3)
   AREA                21.   NCENT LARGE                934.0000       58.3750       10.3594      107.3167   (    16)
   AREA                22.   NCENT MEDIUM               379.0000       75.8000       31.8700     1015.7000   (     5)
   AREA                24.   NCENT RURAL                279.0000       69.7500       11.7011      136.9167   (     4)
   AREA                31.   SOUTH LARGE                355.0000       59.1667        8.7044       75.7667   (     6)
   AREA                33.   SOUTH SMALL                 68.0000       68.0000             0             0   (     1)
   AREA                34.   SOUTH RURAL                 99.0000       49.5000       21.9203      480.5000   (     2)
   AREA                41.   WEST LARGE                 504.0000       56.0000       16.2019      262.5000   (     9)
   AREA                42.   WEST MEDIUM                110.0000       55.0000       16.9706      288.0000   (     2)
   AREA                43.   WEST SMALL                 173.0000       57.6667       15.1767      230.3333   (     3)

MOTHERED                1.   HIGH SCHOOL INCOMPLE     47669.0000       54.1693       11.7280      137.5470   (   880)
   AREA                11.   NE LARGE                  4365.0000       55.2532       10.6452      113.3197   (    79)
   AREA                12.   NE MEDIUM                 4573.0000       55.0964       12.5743      158.1125   (    83)
   AREA                13.   NE SMALL                  2220.0000       52.8571       12.0640      145.5401   (    42)
   AREA                21.   NCENT LARGE               5839.0000       50.3362       10.8811      118.3990   (   116)
   AREA                22.   NCENT MEDIUM              6104.0000       57.5849       10.2203      104.4546   (   106)
   AREA                24.   NCENT RURAL               4635.0000       63.4932       12.3267      151.9479   (    73)
   AREA                31.   SOUTH LARGE               4226.0000       46.9556       11.8511      140.4474   (    90)
   AREA                33.   SOUTH SMALL               2029.0000       57.9714       10.9289      119.4403   (    35)
   AREA                34.   SOUTH RURAL               3538.0000       51.2754        9.1698       84.0848   (    69)
   AREA                41.   WEST LARGE                2488.0000       51.8333        9.0632       82.1418   (    48)
   AREA                42.   WEST MEDIUM               3652.0000       57.9683        9.4868       89.9990   (    63)
   AREA                43.   WEST SMALL                3750.0000       52.0833       11.0106      121.2324   (    72)
   AREA                44.   WEST RURAL                 250.0000       62.5000        8.7369       76.3333   (     4)

MOTHERED                2.   HIGH SCHOOL COMPLETE     64820.0000       63.0545       13.1662      173.3485   (  1028)
   AREA                11.   NE LARGE                  3176.0000       56.7143       11.8946      141.4805   (    56)
   AREA                12.   NE MEDIUM                 5499.0000       63.9419       12.7781      163.2789   (    86)
   AREA                13.   NE SMALL                  6882.0000       65.5429       13.4843      181.8275   (   105)
   AREA                21.   NCENT LARGE               5808.0000       61.7872       14.0727      198.0403   (    94)
   AREA                22.   NCENT MEDIUM              7774.0000       63.2195       11.4208      130.4350   (   123)
   AREA                24.   NCENT RURAL              11372.0000       69.3415       11.3648      129.1598   (   164)
   AREA                31.   SOUTH LARGE               3018.0000       49.4754       10.5049      110.3536   (    61)
   AREA                33.   SOUTH SMALL               4557.0000       67.0147       10.8194      117.0595   (    68)
   AREA                34.   SOUTH RURAL               2090.0000       56.4865        6.2255       38.7568   (    37)
   AREA                41.   WEST LARGE                2483.0000       57.7442       12.7841      163.4330   (    43)
   AREA                42.   WEST MEDIUM               6466.0000       62.7767       13.1975      174.1751   (   103)
   AREA                43.   WEST SMALL                2361.0000       54.9070        9.4562       89.4197   (    43)
```

A-1-5 (cont.)

```
  VARIABLE           CODE    VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N
 AREA                  44.  WEST RURAL            3332.0000       74.0444       10.4489      109.1798    (     45)
TOTAL CASES =     1972
```

A-1-6

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    S53MMAB    STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY     MOTHERED   MOTHER EDUCATION
               BY     AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                    126786.0000       64.2931       13.0763       170.9967     (  1972)

MOTHERED                  -97.                             3947.0000       61.6719       13.7507       189.0811     (    64)
   AREA                    11.  NE LARGE                    421.0000       60.1429        6.6690        44.4762     (     7)
   AREA                    12.  NE MEDIUM                   307.0000       51.1667        7.5741        57.3667     (     6)
   AREA                    13.  NE SMALL                    184.0000       61.3333       15.5027       240.3333     (     3)
   AREA                    21.  NCENT LARGE                1023.0000       63.9375        8.1279        66.0625     (    16)
   AREA                    22.  NCENT MEDIUM                372.0000       74.4000       17.9388       321.8000     (     5)
   AREA                    24.  NCENT RURAL                 311.0000       77.7500       14.4539       208.9167     (     4)
   AREA                    31.  SOUTH LARGE                 331.0000       55.1667       16.5459       273.7667     (     6)
   AREA                    33.  SOUTH SMALL                  72.0000       72.0000             0              0     (     1)
   AREA                    34.  SOUTH RURAL                 129.0000       64.5000       31.8198      1012.5000     (     2)
   AREA                    41.  WEST LARGE                  493.0000       54.7778       10.7678       115.9444     (     9)
   AREA                    42.  WEST MEDIUM                 106.0000       53.0000       22.6274       512.0000     (     2)
   AREA                    43.  WEST SMALL                  198.0000       66.0000       16.3707       268.0000     (     3)

MOTHERED                    1.  HIGH SCHOOL INCOMPLE      52940.0000       60.1591       11.9048       141.7244     (   880)
   AREA                    11.  NE LARGE                   4776.0000       60.4557       12.7649       162.9435     (    79)
   AREA                    12.  NE MEDIUM                  5094.0000       61.3735       13.1397       172.6515     (    83)
   AREA                    13.  NE SMALL                   2330.0000       55.4762       13.1432       172.7433     (    42)
   AREA                    21.  NCENT LARGE                6513.0000       56.1466       10.0054       100.1088     (   116)
   AREA                    22.  NCENT MEDIUM               6956.0000       65.6226        9.9230        98.4658     (   106)
   AREA                    24.  NCENT RURAL                5105.0000       69.9315       10.2175       104.3980     (    73)
   AREA                    31.  SOUTH LARGE                4798.0000       53.3111       10.4501       109.2055     (    90)
   AREA                    33.  SOUTH SMALL                2257.0000       64.4857        8.7561        76.6689     (    35)
   AREA                    34.  SOUTH RURAL                3942.0000       57.1304       10.4543       109.2916     (    69)
   AREA                    41.  WEST LARGE                 2861.0000       59.6042        9.4029        88.4145     (    48)
   AREA                    42.  WEST MEDIUM                3848.0000       61.0794       12.4917       156.0420     (    63)
   AREA                    43.  WEST SMALL                 4179.0000       58.0417       10.7408       115.3644     (    72)
   AREA                    44.  WEST RURAL                  281.0000       70.2500        6.2915        39.5833     (     4)

MOTHERED                    2.  HIGH SCHOOL COMPLETE      69899.0000       67.9951       12.9024       166.4722     (  1028)
   AREA                    11.  NE LARGE                   3498.0000       62.4643       10.9345       119.5623     (    56)
   AREA                    12.  NE MEDIUM                  6150.0000       71.5116       13.2049       174.3705     (    86)
   AREA                    13.  NE SMALL                   7221.0000       68.7714       12.1981       148.7934     (   105)
   AREA                    21.  NCENT LARGE                6140.0000       65.3191       13.0913       171.3809     (    94)
   AREA                    22.  NCENT MEDIUM               8463.0000       68.8049       12.3956       153.6501     (   123)
   AREA                    24.  NCENT RURAL               12187.0000       74.3110       10.2625       105.3199     (   164)
   AREA                    31.  SOUTH LARGE                3384.0000       55.4754        9.3159        86.7869     (    61)
   AREA                    33.  SOUTH SMALL                5042.0000       74.1471       11.8022       139.2915     (    68)
   AREA                    34.  SOUTH RURAL                2340.0000       63.2432        8.2543        68.1336     (    37)
   AREA                    41.  WEST LARGE                 2618.0000       60.8837       12.3851       153.3909     (    43)
   AREA                    42.  WEST MEDIUM                6806.0000       66.0777       12.9469       167.6214     (   103)
   AREA                    43.  WEST SMALL                 2513.0000       58.4419       10.3930       108.0144     (    43)
```

A-1-6 (cont.)

```
 VARIABLE            CODE   VALUE LABEL                SUM        MEAN      STD DEV    VARIANCE       N
AREA                   44.  WEST RURAL            3537.0000     78.6000      7.5841     57.5182  (   45)
TOTAL CASES =    1972
```

A-1-7

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
    BROKEN DOWN BY   FHOH      FEMALE HEAD OF HOUSEHOLD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                  SUM            MEAN          STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                     60141.0000        30.4975         12.9336        167.2780    ( 1972)

FHOH                         1.   YES                     12727.0000        26.4595         11.3625        129.1072    (  481)
   AREA                     11.   NE LARGE                 1562.0000        26.0333         13.2958        176.7785    (   60)
   AREA                     12.   NE MEDIUM                1257.0000        25.1400         10.3766        107.6739    (   50)
   AREA                     13.   NE SMALL                  680.0000        27.2000         11.0227        121.5000    (   25)
   AREA                     21.   NCENT LARGE              2914.0000        26.9815         10.1889        103.8127    (  108)
   AREA                     22.   NCENT MEDIUM             1346.0000        27.4694         10.4065        108.2959    (   49)
   AREA                     24.   NCENT RURAL               230.0000        25.5556         15.2242        231.7778    (    9)
   AREA                     31.   SOUTH LARGE              1671.0000        20.6296          9.7243         94.5611    (   81)
   AREA                     33.   SOUTH SMALL                71.0000        23.6667          9.2916         86.3333    (    3)
   AREA                     34.   SOUTH RURAL               133.0000        19.0000          6.2183         38.6667    (    7)
   AREA                     41.   WEST LARGE               1130.0000        31.3889          9.8337         96.7016    (   36)
   AREA                     42.   WEST MEDIUM              1308.0000        33.5385         12.5946        158.6235    (   39)
   AREA                     43.   WEST SMALL                383.0000        29.4615         10.2275        104.6026    (   13)
   AREA                     44.   WEST RURAL                 42.0000        42.0000               0               0    (    1)

FHOH                         2.   NO                      47414.0000        31.8001         13.1425        172.7251    ( 1491)
   AREA                     11.   NE LARGE                 2240.0000        27.3171         11.4200        130.4167    (   82)
   AREA                     12.   NE MEDIUM                4233.0000        33.8640         14.5499        211.6991    (  125)
   AREA                     13.   NE SMALL                 4027.0000        32.2160         11.9970        143.9288    (  125)
   AREA                     21.   NCENT LARGE              4037.0000        34.2119         13.7778        189.8245    (  118)
   AREA                     22.   NCENT MEDIUM             6010.0000        32.4865         12.4194        154.2403    (  185)
   AREA                     24.   NCENT RURAL              8417.0000        36.2802         12.9996        168.9904    (  232)
   AREA                     31.   SOUTH LARGE              1631.0000        21.4605         11.6681        136.1451    (   76)
   AREA                     33.   SOUTH SMALL              3105.0000        30.7426         13.0604        170.5731    (  101)
   AREA                     34.   SOUTH RURAL              2337.0000        23.1386          9.5865         91.9006    (  101)
   AREA                     41.   WEST LARGE               2165.0000        33.8281         12.2754        150.6843    (   64)
   AREA                     42.   WEST MEDIUM              4196.0000        32.5271         12.4034        153.8450    (  129)
   AREA                     43.   WEST SMALL               2946.0000        28.0571         10.9411        119.7082    (  105)
   AREA                     44.   WEST RURAL               2070.0000        43.1250          8.7193         76.0266    (   48)

  TOTAL CASES =     1972
```

```
                                                                                              PAGE   47

                                                 A-1-8

- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    FHOH       FEMALE HEAD OF HOUSEHOLD
               BY     AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE      VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      116287.0000      58.9691      13.3236      177.5186    (  1972)

FHOH                        1.    YES                       25043.0000      52.0644      11.5601      133.6354    (   481)
   AREA                    11.    NE LARGE                   3272.0000      54.5333      10.4256      108.6930    (    60)
   AREA                    12.    NE MEDIUM                  2554.0000      51.0800      12.1904      148.6057    (    50)
   AREA                    13.    NE SMALL                   1325.0000      53.0000      10.8051      116.7500    (    25)
   AREA                    21.    NCENT LARGE                5486.0000      50.7963      10.8806      118.3880    (   108)
   AREA                    22.    NCENT MEDIUM               2723.0000      55.5714       8.2412       67.9167    (    49)
   AREA                    24.    NCENT RURAL                 544.0000      60.4444      14.5440      211.5278    (     9)
   AREA                    31.    SOUTH LARGE                3762.0000      46.4444      11.3941      129.8250    (    81)
   AREA                    33.    SOUTH SMALL                 180.0000      60.0000      14.0000      196.0000    (     3)
   AREA                    34.    SOUTH RURAL                 327.0000      46.7143      10.1442      102.9048    (     7)
   AREA                    41.    WEST LARGE                 1885.0000      52.3611       9.2309       85.2087    (    36)
   AREA                    42.    WEST MEDIUM                2267.0000      58.1282      13.0670      170.7463    (    39)
   AREA                    43.    WEST SMALL                  646.0000      49.6923      14.3259      205.2308    (    13)
   AREA                    44.    WEST RURAL                   72.0000      72.0000            0             0    (     1)

FHOH                        2.    NO                        91244.0000      61.1965      13.0927      171.4197    (  1491)
   AREA                    11.    NE LARGE                   4680.0000      57.0732      11.5788      134.0687    (    82)
   AREA                    12.    NE MEDIUM                  7821.0000      62.5680      12.3166      151.6990    (   125)
   AREA                    13.    NE SMALL                   7960.0000      63.6800      14.0928      198.6065    (   125)
   AREA                    21.    NCENT LARGE                7095.0000      60.1271      14.0211      196.5915    (   118)
   AREA                    22.    NCENT MEDIUM              11536.0000      62.3568      12.5188      156.7199    (   185)
   AREA                    24.    NCENT RURAL               15742.0000      67.8534      11.7667      138.4546    (   232)
   AREA                    31.    SOUTH LARGE                3837.0000      50.4868      11.2113      125.6932    (    76)
   AREA                    33.    SOUTH SMALL                6474.0000      64.0990      11.5624      133.6901    (   101)
   AREA                    34.    SOUTH RURAL                5400.0000      53.4653       8.5774       73.5713    (   101)
   AREA                    41.    WEST LARGE                 3590.0000      56.0938      12.8047      163.9593    (    64)
   AREA                    42.    WEST MEDIUM                7961.0000      61.7132      11.7707      138.5499    (   129)
   AREA                    43.    WEST SMALL                 5638.0000      53.6952      10.0241      100.4832    (   105)
   AREA                    44.    WEST RURAL                 3510.0000      73.1250      10.8385      117.4734    (    48)

     TOTAL CASES =     1972
```

A-1-9

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   FMOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL                SUM          MEAN       STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                  126786.0000      64.2931     13.0763       170.9907    (  1972)

FMOH                        1.   YES                    28007.0000      58.2266     10.6966       114.4173    (   481)
    AREA                   11.   NE LARGE                3593.0000      59.8833     10.9994       120.9842    (    60)
    AREA                   12.   NE MEDIUM               2881.0000      57.6200     11.8750       141.0159    (    50)
    AREA                   13.   NE SMALL                1418.0000      56.7200     11.5344       133.0433    (    25)
    AREA                   21.   NCENT LARGE             6194.0000      57.3519      9.9647        99.2956    (   108)
    AREA                   22.   NCENT MEDIUM            3108.0000      63.4286      9.5197        90.6250    (    49)
    AREA                   24.   NCENT RURAL              590.0000      65.5556     11.6952       136.7778    (     9)
    AREA                   31.   SOUTH LARGE             4367.0000      53.9136      9.8896        97.8049    (    81)
    AREA                   33.   SOUTH SMALL              181.0000      60.3333      4.9329        24.3333    (     3)
    AREA                   34.   SOUTH RURAL              382.0000      54.5714      6.2944        39.6190    (     7)
    AREA                   41.   WEST LARGE              2078.0000      57.7222      7.0290        49.4063    (    36)
    AREA                   42.   WEST MEDIUM             2406.0000      61.6923     12.8086       164.0607    (    39)
    AREA                   43.   WEST SMALL               745.0000      57.3077     10.2825       105.7308    (    13)
    AREA                   44.   WEST RURAL                64.0000      64.0000           0              0    (     1)

FMOH                        2.   NO                     98779.0000      66.2502     13.1764       173.6172    (  1491)
    AREA                   11.   NE LARGE                5102.0000      62.2195     12.3559       152.6473    (    82)
    AREA                   12.   NE MEDIUM               8670.0000      69.3600     13.6615       186.6355    (   125)
    AREA                   13.   NE SMALL                8317.0000      66.5360     13.6722       186.9281    (   125)
    AREA                   21.   NCENT LARGE             7482.0000      63.4068     13.1787       173.6793    (   118)
    AREA                   22.   NCENT MEDIUM           12683.0000      68.5568     11.8468       140.3459    (   185)
    AREA                   24.   NCENT RURAL            17013.0000      73.3319     10.3513       107.1491    (   232)
    AREA                   31.   SOUTH LARGE             4146.0000      54.5526     10.7274       115.0772    (    76)
    AREA                   33.   SOUTH SMALL             7190.0000      71.1881     11.7070       137.0543    (   101)
    AREA                   34.   SOUTH RURAL             6029.0000      59.6931     10.6965       114.4149    (   101)
    AREA                   41.   WEST LARGE              3894.0000      60.8438     12.5042       156.3562    (    64)
    AREA                   42.   WEST MEDIUM             8354.0000      64.7597     13.1076       171.8090    (   129)
    AREA                   43.   WEST SMALL              6145.0000      58.5238     10.8132       116.9249    (   105)
    AREA                   44.   WEST RURAL              3754.0000      78.2083      7.5905        57.6152    (    48)

   TOTAL CASES =    1972
```

A-1-10

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                     60141.0000     30.4975      12.9336      167.2780   (  1972)

PRESCHOL                   1.   HS OR HS + OTHER PS       12055.0000     28.8397      11.7574      138.2356   (   418)
   AREA                   11.   NE LARGE                   1216.0000     27.6364      11.6301      135.2600   (    44)
   AREA                   12.   NE MEDIUM                   553.0000     25.1364      12.5482      157.4567   (    22)
   AREA                   13.   NE SMALL                    283.0000     28.3000      10.7605      115.7889   (    10)
   AREA                   21.   NCENT LARGE                2320.0000     31.3514      11.2791      127.2173   (    74)
   AREA                   22.   NCENT MEDIUM                851.0000     35.4583      10.6648      113.7373   (    24)
   AREA                   24.   NCENT RURAL                2044.0000     31.9375      12.1992      148.8214   (    64)
   AREA                   31.   SOUTH LARGE                1139.0000     20.7091      10.1974      103.9879   (    55)
   AREA                   33.   SOUTH SMALL                 314.0000     26.1667      10.8948      118.6970   (    12)
   AREA                   34.   SOUTH RURAL                 620.0000     23.8462       9.1463       83.6554   (    26)
   AREA                   41.   WEST LARGE                 1244.0000     32.7368      10.4330      108.8478   (    38)
   AREA                   42.   WEST MEDIUM                 920.0000     30.6667       9.9285       98.5747   (    30)
   AREA                   43.   WEST SMALL                  551.0000     29.0000      12.3693      153.0000   (    19)

PRESCHOL                   3.   OTHER PRESCHOOL ONLY       5922.0000     33.8400      11.9167      142.0087   (   175)
   AREA                   11.   NE LARGE                    789.0000     30.3462      12.7748      163.1954   (    26)
   AREA                   12.   NE MEDIUM                   483.0000     37.1538      19.9660      398.6410   (    13)
   AREA                   13.   NE SMALL                    205.0000     34.1667       9.5795       91.7667   (     6)
   AREA                   21.   NCENT LARGE                 350.0000     31.8182       9.2284       85.1636   (    11)
   AREA                   22.   NCENT MEDIUM                436.0000     31.1429       9.5985       92.1319   (    14)
   AREA                   24.   NCENT RURAL                 129.0000     43.0000       5.1962       27.0000   (     3)
   AREA                   31.   SOUTH LARGE                 565.0000     29.7368       9.4566       89.4269   (    19)
   AREA                   33.   SOUTH SMALL                  51.0000     51.0000            0             0   (     1)
   AREA                   34.   SOUTH RURAL                  68.0000     34.0000            0             0   (     2)
   AREA                   41.   WEST LARGE                  920.0000     40.0000       9.7234       94.5455   (    23)
   AREA                   42.   WEST MEDIUM                 821.0000     31.5769      12.1299      147.1338   (    26)
   AREA                   43.   WEST SMALL                  542.0000     30.1111       9.3172       86.8105   (    18)
   AREA                   44.   WEST RURAL                  563.0000     43.3077       6.7378       45.3974   (    13)

PRESCHOL                   4.   NONE                      42164.0000     30.5758      13.3132      177.2415   (  1379)
   AREA                   11.   NE LARGE                   1797.0000     24.9583      12.1915      148.6320   (    72)
   AREA                   12.   NE MEDIUM                  4454.0000     31.8143      13.3673      178.6947   (   140)
   AREA                   13.   NE SMALL                   4219.0000     31.4851      12.1530      147.6953   (   134)
   AREA                   21.   NCENT LARGE                4281.0000     30.3617      13.6451      186.1897   (   141)
   AREA                   22.   NCENT MEDIUM               6069.0000     30.9643      12.4667      155.4192   (   196)
   AREA                   24.   NCENT RURAL                6474.0000     37.2069      13.3872      179.2171   (   174)
   AREA                   31.   SOUTH LARGE                1598.0000     19.2530      10.4003      108.1669   (    83)
   AREA                   33.   SOUTH SMALL                2811.0000     30.8901      13.0856      171.2322   (    91)
   AREA                   34.   SOUTH RURAL                1782.0000     22.2750       9.5081       90.4044   (    80)
   AREA                   41.   WEST LARGE                 1131.0000     29.0000      11.6461      135.6316   (    39)
   AREA                   42.   WEST MEDIUM                3763.0000     33.5982      13.0718      170.8731   (   112)
   AREA                   43.   WEST SMALL                 2236.0000     27.6049      10.8348      117.3920   (    81)
```

A-1-10 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE        N

 AREA                     44.  WEST RURAL               1549.0000       43.0278       9.3028       86.5421    (    36)

TOTAL CASES =     1972
```

```
                                            A-1-11

- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    S53MR
    BROKEN DOWN BY    PRESCHOL    TYPE OF PRESCHOOL EXPERIENCE
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE      VALUE LABEL                   SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     116287.0000        58.9691        13.3236       177.5186   (  1972)

PRESCHOL                   1.    HS OR HS + OTHER PS       23238.0000        55.5933        12.4433       154.8366   (   418)
   AREA                   11.    NE LARGE                   2564.0000        58.2727        12.5241       156.8541   (    44)
   AREA                   12.    NE MEDIUM                  1182.0000        53.7273        10.1333       102.6840   (    22)
   AREA                   13.    NE SMALL                    524.0000        52.4000        14.9310       222.9333   (    10)
   AREA                   21.    NCENT LARGE                3971.0000        53.6622        11.1960       125.3501   (    74)
   AREA                   22.    NCENT MEDIUM               1512.0000        63.0000        10.0261       100.5217   (    24)
   AREA                   24.    NCENT RURAL                4170.0000        65.1563        12.1645       147.9752   (    64)
   AREA                   31.    SOUTH LARGE                2644.0000        48.0727        11.0635       122.4020   (    55)
   AREA                   33.    SOUTH SMALL                 705.0000        58.7500        12.7431       162.3864   (    12)
   AREA                   34.    SOUTH RURAL                1307.0000        50.2692         9.7429        94.9246   (    26)
   AREA                   41.    WEST LARGE                 2003.0000        52.7105        10.9789       120.5356   (    38)
   AREA                   42.    WEST MEDIUM                1679.0000        55.9667         6.9958        48.9299   (    30)
   AREA                   43.    WEST SMALL                  977.0000        51.4211        14.2763       203.8129   (    19)

PRESCHOL                   3.    OTHER PRESCHOOL ONLY      10246.0000        58.5486        12.8330       164.6858   (   175)
   AREA                   11.    NE LARGE                   1449.0000        55.7308        10.0859       101.7246   (    26)
   AREA                   12.    NE MEDIUM                   803.0000        61.7692        19.4129       376.8590   (    13)
   AREA                   13.    NE SMALL                    358.0000        59.6667        18.4896       341.8667   (     6)
   AREA                   21.    NCENT LARGE                 579.0000        52.6364        11.3778       129.4545   (    11)
   AREA                   22.    NCENT MEDIUM                836.0000        59.7143         9.7935        95.9121   (    14)
   AREA                   24.    NCENT RURAL                 222.0000        74.0000         1.0000         1.0000   (     3)
   AREA                   31.    SOUTH LARGE                1030.0000        54.2105         9.5950        92.0643   (    19)
   AREA                   33.    SOUTH SMALL                  71.0000        71.0000              0              0   (     1)
   AREA                   34.    SOUTH RURAL                 114.0000        57.0000         5.6569        32.0000   (     2)
   AREA                   41.    WEST LARGE                 1387.0000        60.3043        12.1821       148.4032   (    23)
   AREA                   42.    WEST MEDIUM                1487.0000        57.1923        13.9743       195.2815   (    26)
   AREA                   43.    WEST SMALL                  972.0000        54.0000        11.0507       122.1176   (    18)
   AREA                   44.    WEST RURAL                  938.0000        72.1538         6.7187        45.1410   (    13)

PRESCHOL                   4.    NONE                      82803.0000        60.0457        13.4767       181.6213   (  1379)
   AREA                   11.    NE LARGE                   3939.0000        54.7083        10.5209       110.6884   (    72)
   AREA                   12.    NE MEDIUM                  8390.0000        59.9286        12.9496       167.6927   (   140)
   AREA                   13.    NE SMALL                   8403.0000        62.7090        13.7293       188.4936   (   134)
   AREA                   21.    NCENT LARGE                8031.0000        56.9574        14.5159       210.7125   (   141)
   AREA                   22.    NCENT MEDIUM              11911.0000        60.7704        12.4432       154.8342   (   196)
   AREA                   24.    NCENT RURAL               11894.0000        68.3563        11.8326       140.0110   (   174)
   AREA                   31.    SOUTH LARGE                3925.0000        47.2892        11.8100       139.4763   (    83)
   AREA                   33.    SOUTH SMALL                5878.0000        64.5934        11.3588       129.0217   (    91)
   AREA                   34.    SOUTH RURAL                4306.0000        53.8250         8.4100        70.7285   (    80)
   AREA                   41.    WEST LARGE                 2085.0000        53.4615        11.4429       130.9393   (    39)
   AREA                   42.    WEST MEDIUM                7062.0000        63.0536        12.2657       150.4476   (   112)
   AREA                   43.    WEST SMALL                 4335.0000        53.5185         9.5356        90.9278   (    81)
```

A-1-11 (cont.)

```
  VARIABLE                CODE    VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N
 AREA                       44.  WEST RURAL              2644,0000       73.4444        11,9102       141,8540    (     36)
TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE      VALUE LABEL                    SUM           MEAN        STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                        126786.0000       64.2931      13.0763      170.9907    (  1972)

PRESCHOL                    1.    HS OR HS + OTHER PS         25458.0000       60.9043      12.6523      160.0819    (   418)
   AREA                    11.    NE LARGE                     2734.0000       62.1364      14.0772      198.1670    (    44)
   AREA                    12.    NE MEDIUM                    1309.0000       59.5000      12.7569      162.7381    (    22)
   AREA                    13.    NE SMALL                      562.0000       56.2000      13.2229      174.8444    (    10)
   AREA                    21.    NCENT LARGE                  4404.0000       59.5135      11.1751      124.8834    (    74)
   AREA                    22.    NCENT MEDIUM                 1642.0000       68.4167      12.9074      166.6014    (    24)
   AREA                    24.    NCENT RURAL                  4518.0000       70.5938      10.7625      115.8323    (    64)
   AREA                    31.    SOUTH LARGE                  2916.0000       53.0182      10.3860      107.8700    (    55)
   AREA                    33.    SOUTH SMALL                   788.0000       65.6667      10.0574      101.1515    (    12)
   AREA                    34.    SOUTH RURAL                  1492.0000       57.3846      12.8595      165.3662    (    26)
   AREA                    41.    WEST LARGE                   2212.0000       58.2105       8.6872       75.4680    (    38)
   AREA                    42.    WEST MEDIUM                  1782.0000       59.4000      10.7850      116.3172    (    30)
   AREA                    43.    WEST SMALL                   1099.0000       57.8421      13.7124      188.0292    (    19)

PRESCHOL                    3.    OTHER PRESCHOOL ONLY        11018.0000       62.9600      12.6083      158.9697    (   175)
   AREA                    11.    NE LARGE                     1582.0000       60.8462       9.5026       90.2954    (    26)
   AREA                    12.    NE MEDIUM                     853.0000       65.6154      17.6755      312.4231    (    13)
   AREA                    13.    NE SMALL                      375.0000       62.5000      17.2598      297.9000    (     6)
   AREA                    21.    NCENT LARGE                   621.0000       56.4545      12.9102      166.6727    (    11)
   AREA                    22.    NCENT MEDIUM                  916.0000       65.4286       8.4098       70.7253    (    14)
   AREA                    24.    NCENT RURAL                   233.0000       77.6667       6.3509       40.3333    (     3)
   AREA                    31.    SOUTH LARGE                  1144.0000       60.2105       8.6061       74.0643    (    19)
   AREA                    33.    SOUTH SMALL                    75.0000       75.0000        0              0        (     1)
   AREA                    34.    SOUTH RURAL                   147.0000       73.5000        .7071         .5000    (     2)
   AREA                    41.    WEST LARGE                   1470.0000       63.9130      13.7640      189.4466    (    23)
   AREA                    42.    WEST MEDIUM                  1526.0000       58.6923      14.4105      207.6615    (    26)
   AREA                    43.    WEST SMALL                   1083.0000       60.1667       8.8998       79.2059    (    18)
   AREA                    44.    WEST RURAL                    993.0000       76.3846       6.8379       46.7564    (    13)

PRESCHOL                    4.    NONE                        90310.0000       65.4895      13.0735      170.9163    (  1379)
   AREA                    11.    NE LARGE                     4379.0000       60.8194      11.1726      124.8261    (    72)
   AREA                    12.    NE MEDIUM                    9389.0000       67.0643      13.8643      192.2189    (   140)
   AREA                    13.    NE SMALL                     8798.0000       65.6567      13.5581      183.8211    (   134)
   AREA                    21.    NCENT LARGE                  8651.0000       61.3546      12.4998      156.2448    (   141)
   AREA                    22.    NCENT MEDIUM                13233.0000       67.5153      11.6269      135.1844    (   196)
   AREA                    24.    NCENT RURAL                 12852.0000       73.8621      10.3205      106.5127    (   174)
   AREA                    31.    SOUTH LARGE                  4453.0000       53.6506      10.1962      103.9618    (    83)
   AREA                    33.    SOUTH SMALL                  6508.0000       71.5165      11.8344      140.0525    (    91)
   AREA                    34.    SOUTH RURAL                  4772.0000       59.6500       9.5521       91.2430    (    80)
   AREA                    41.    WEST LARGE                   2290.0000       58.7179      10.6547      113.5236    (    39)
   AREA                    42.    WEST MEDIUM                  7452.0000       66.5357      12.6832      160.8636    (   112)
   AREA                    43.    WEST SMALL                   4708.0000       58.1235      10.3964      108.0846    (    81)
```

A-1-12 (cont.)

```
  VARIABLE              CODE     VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N
 AREA                      44.  WEST RURAL              2825.0000       78.4722        8.1117       65.7992   (     36)
TOTAL CASES =     1972
```

238

A-1-13

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE      VALUE LABEL                  SUM             MEAN          STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                          60141.0000        30.4975        12.9336        167.2780    (  1972)

SEX                           1.    MALE                       28232.0000        29.3167        12.7816        163.3705    (   963)
   AREA                      11.    NE LARGE                    1911.0000        25.1447        12.7705        163.0954    (    76)
   AREA                      12.    NE MEDIUM                   2706.0000        30.4045        13.5082        182.4709    (    89)
   AREA                      13.    NE SMALL                    1705.0000        29.3966        11.3739        129.3463    (    58)
   AREA                      21.    NCENT LARGE                 3315.0000        31.8750        13.0158        169.4114    (   104)
   AREA                      22.    NCENT MEDIUM                3720.0000        30.0000        11.6863        136.5691    (   124)
   AREA                      24.    NCENT RURAL                 4141.0000        34.2231        13.1507        172.9415    (   121)
   AREA                      31.    SOUTH LARGE                 1351.0000        18.0133         9.3208         86.8782    (    75)
   AREA                      33.    SOUTH SMALL                 1452.0000        28.4706        12.2741        150.6541    (    51)
   AREA                      34.    SOUTH RURAL                 1213.0000        22.8868         9.5205         90.6408    (    53)
   AREA                      41.    WEST LARGE                  1603.0000        33.3958        12.0984        146.3719    (    48)
   AREA                      42.    WEST MEDIUM                 2450.0000        31.0127        11.4852        131.9101    (    79)
   AREA                      43.    WEST SMALL                  1646.0000        26.9836        10.4714        109.6497    (    61)
   AREA                      44.    WEST RURAL                  1019.0000        42.4583         8.5566         73.2156    (    24)

SEX                           2.    FEMALE                     31909.0000        31.6244        12.9835        168.5701    (  1009)
   AREA                      11.    NE LARGE                    1891.0000        28.6515        11.3578        128.9998    (    66)
   AREA                      12.    NE MEDIUM                   2784.0000        32.3721        14.5594        211.9776    (    86)
   AREA                      13.    NE SMALL                    3002.0000        32.6304        12.1986        148.8070    (    92)
   AREA                      21.    NCENT LARGE                 3636.0000        29.8033        12.3901        153.5147    (   122)
   AREA                      22.    NCENT MEDIUM                3636.0000        33.0545        12.5660        157.9053    (   110)
   AREA                      24.    NCENT RURAL                 4506.0000        37.5500        13.1148        171.9975    (   120)
   AREA                      31.    SOUTH LARGE                 1951.0000        23.7927        11.1474        124.2651    (    82)
   AREA                      33.    SOUTH SMALL                 1724.0000        32.5283        13.4559        181.0617    (    53)
   AREA                      34.    SOUTH RURAL                 1257.0000        22.8545         9.4485         89.2747    (    55)
   AREA                      41.    WEST LARGE                  1692.0000        32.5385        10.9517        119.9397    (    52)
   AREA                      42.    WEST MEDIUM                 3054.0000        34.3146        13.0581        170.5135    (    89)
   AREA                      43.    WEST SMALL                  1683.0000        29.5263        11.1469        124.2538    (    57)
   AREA                      44.    WEST RURAL                  1093.0000        43.7200         8.8295         77.9600    (    25)

  TOTAL CASES =     1972
```

A-1-14

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                SUM           MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   116287.0000       58.9691       13.3236       177.5186    (  1972)

SEX                          1.  MALE                    56174.0000       58.3323       13.3285       177.6483    (   963)
   AREA                     11.  NE LARGE                 4289.0000       56.4342       11.3846       129.6089    (    76)
   AREA                     12.  NE MEDIUM                5145.0000       57.8090       12.4480       154.9517    (    89)
   AREA                     13.  NE SMALL                 3523.0000       60.7414       14.1664       200.6863    (    58)
   AREA                     21.  NCENT LARGE              5852.0000       56.2692       14.5210       210.8588    (   104)
   AREA                     22.  NCENT MEDIUM             7447.0000       60.0565       10.6956       114.3952    (   124)
   AREA                     24.  NCENT RURAL              8097.0000       66.9174       12.6324       159.5764    (   121)
   AREA                     31.  SOUTH LARGE              3462.0000       46.1600       11.8835       141.2173    (    75)
   AREA                     33.  SOUTH SMALL              3234.0000       63.4118       11.6519       135.7671    (    51)
   AREA                     34.  SOUTH RURAL              2727.0000       51.4528        9.3100        86.6756    (    53)
   AREA                     41.  WEST LARGE               2636.0000       54.9167       11.5442       133.2695    (    48)
   AREA                     42.  WEST MEDIUM              4862.0000       61.5443       11.4296       130.6358    (    79)
   AREA                     43.  WEST SMALL               3148.0000       51.6066       10.5487       111.2760    (    61)
   AREA                     44.  WEST RURAL               1752.0000       73.0000        8.5719        73.4783    (    24)

SEX                          2.  FEMALE                  60113.0000       59.5768       13.2971       176.8138    (  1009)
   AREA                     11.  NE LARGE                 3663.0000       55.5000       10.9154       119.1442    (    66)
   AREA                     12.  NE MEDIUM                5230.0000       60.8140       14.0482       197.3532    (    86)
   AREA                     13.  NE SMALL                 5762.0000       62.6304       14.1574       200.4333    (    92)
   AREA                     21.  NCENT LARGE              6729.0000       55.1557       12.4615       155.2896    (   122)
   AREA                     22.  NCENT MEDIUM             6812.0000       61.9273       13.4114       179.8662    (   110)
   AREA                     24.  NCENT RURAL              8189.0000       68.2417       11.1882       125.1766    (   120)
   AREA                     31.  SOUTH LARGE              4137.0000       50.4512       10.7050       114.5964    (    82)
   AREA                     33.  SOUTH SMALL              3420.0000       64.5283       11.5934       134.4078    (    53)
   AREA                     34.  SOUTH RURAL              3000.0000       54.5455        8.0595        64.9562    (    55)
   AREA                     41.  WEST LARGE               2839.0000       54.5962       12.0184       144.4416    (    52)
   AREA                     42.  WEST MEDIUM              5366.0000       60.2921       12.7709       163.0955    (    89)
   AREA                     43.  WEST SMALL               3136.0000       55.0175       10.4189       108.5533    (    57)
   AREA                     44.  WEST RURAL               1830.0000       73.2000       12.6359       159.6667    (    25)

  TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - -
CRITERION VARIABLE   S53MMAB     STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY    SEX         SEX OF CHILD
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE               CODE    VALUE LABEL                 SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   126786.0000        64.2931       13.0763      170.9907   (  1972)

SEX                          1.   MALE                   61895.0000        64.2731       13.3424      178.0199   (   963)
   AREA                     11.   NE LARGE                4710.0000        61.9737       11.9877      143.7060   (    76)
   AREA                     12.   NE MEDIUM               5804.0000        65.2135       14.6811      215.5335   (    89)
   AREA                     13.   NE SMALL                3761.0000        64.8448       14.1753      200.9404   (    58)
   AREA                     21.   NCENT LARGE             6426.0000        61.7885       12.8219      164.4014   (   104)
   AREA                     22.   NCENT MEDIUM            8473.0000        68.3306       11.7568      138.2231   (   124)
   AREA                     24.   NCENT RURAL             8786.0000        72.6116       10.7567      115.7162   (   121)
   AREA                     31.   SOUTH LARGE             3947.0000        52.6267       10.5699      111.7236   (    75)
   AREA                     33.   SOUTH SMALL             3606.0000        70.7059       11.1199      123.6518   (    51)
   AREA                     34.   SOUTH RURAL             3052.0000        57.5849        9.5140       90.5167   (    53)
   AREA                     41.   WEST LARGE              2819.0000        58.7292       11.7160      137.2655   (    48)
   AREA                     42.   WEST MEDIUM             5072.0000        64.2025       12.8306      164.6251   (    79)
   AREA                     43.   WEST SMALL              3544.0000        58.0984       10.8023      116.6902   (    61)
   AREA                     44.   WEST RURAL              1895.0000        78.9583        8.2329       67.7848   (    24)

SEX                          2.   FEMALE                 64891.0000        64.3122       12.8238      164.4511   (  1009)
   AREA                     11.   NE LARGE                3985.0000        60.3788       11.6524      135.7774   (    66)
   AREA                     12.   NE MEDIUM               5747.0000        66.8256       13.6745      186.9927   (    86)
   AREA                     13.   NE SMALL                5974.0000        64.9348       13.6380      185.9957   (    92)
   AREA                     21.   NCENT LARGE             7250.0000        59.4262       11.4147      130.2962   (   122)
   AREA                     22.   NCENT MEDIUM            7318.0000        66.5273       11.3337      128.4534   (   110)
   AREA                     24.   NCENT RURAL             8817.0000        73.4750       10.2243      104.5372   (   120)
   AREA                     31.   SOUTH LARGE             4566.0000        55.6829        9.8368       96.7424   (    82)
   AREA                     33.   SOUTH SMALL             3765.0000        71.0377       12.3350      152.1524   (    53)
   AREA                     34.   SOUTH RURAL             3359.0000        61.0727       11.2346      126.2168   (    55)
   AREA                     41.   WEST LARGE              3153.0000        60.6346       10.1576      103.1776   (    52)
   AREA                     42.   WEST MEDIUM             5688.0000        63.9101       13.3414      177.9918   (    89)
   AREA                     43.   WEST SMALL              3346.0000        58.7018       10.7188      114.8916   (    57)
   AREA                     44.   WEST RURAL              1923.0000        76.9200        7.3480       53.9933   (    25)

  TOTAL CASES =    1972
```

A-1-16

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                 BY  AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   VARIABLE             CODE     VALUE LABEL                  SUM            MEAN          STD DEV        VARIANCE       N

FOR ENTIRE POPULATION                                   60141.0000         30.4975         12.9336        167.2780   (  1972)

AGE                        9.   FOUR AND ONE HALF        299.0000         33.2222         11.8509        140.4444   (     9)
   AREA                   11.   NE LARGE                 137.0000         27.4000         12.7789        163.3000   (     5)
   AREA                   12.   NE MEDIUM                 79.0000         39.5000          7.7782         60.5000   (     2)
   AREA                   13.   NE SMALL                  45.0000         45.0000               0               0   (     1)
   AREA                   21.   NCENT LARGE               38.0000         38.0000               0               0   (     1)

AGE                       10.   FIVE                   18648.0000         27.3431         12.1690        148.0847   (   682)
   AREA                   11.   NE LARGE                1685.0000         24.0714         11.0523        122.1542   (    70)
   AREA                   12.   NE MEDIUM               1930.0000         28.3824         12.6314        159.5531   (    68)
   AREA                   13.   NE SMALL                2007.0000         30.4091         11.8568        140.5839   (    66)
   AREA                   21.   NCENT LARGE             2007.0000         27.1216         11.9874        143.6973   (    74)
   AREA                   22.   NCENT MEDIUM            1950.0000         28.6765         12.4102        154.0132   (    68)
   AREA                   24.   NCENT RURAL             1848.0000         31.8621         11.5614        133.6649   (    58)
   AREA                   31.   SOUTH LARGE             1452.0000         20.4507         11.6910        136.6797   (    71)
   AREA                   33.   SOUTH SMALL             1026.0000         25.6500         10.8759        118.2846   (    40)
   AREA                   34.   SOUTH RURAL              825.0000         21.7105          8.0435         64.6977   (    38)
   AREA                   41.   WEST LARGE              1480.0000         33.6364         11.5619        133.6786   (    44)
   AREA                   42.   WEST MEDIUM              948.0000         28.7273         10.3931        108.0170   (    33)
   AREA                   43.   WEST SMALL               939.0000         24.0769         11.0463        122.0202   (    39)
   AREA                   44.   WEST RURAL               551.0000         42.3846          9.7343         94.7564   (    13)

AGE                       11.   FIVE AND ONE HALF      28778.0000         31.0778         12.8238        164.4582   (   926)
   AREA                   11.   NE LARGE                1964.0000         29.7576         12.8615        165.4172   (    66)
   AREA                   12.   NE MEDIUM               3223.0000         33.5729         14.8747        221.2578   (    96)
   AREA                   13.   NE SMALL                2173.0000         32.9242         12.3092        151.5172   (    66)
   AREA                   21.   NCENT LARGE             2951.0000         31.0632         11.8670        140.8258   (    95)
   AREA                   22.   NCENT MEDIUM            3765.0000         31.1157         11.7574        138.2365   (   121)
   AREA                   24.   NCENT RURAL             3592.0000         34.5385         13.4084        179.7849   (   104)
   AREA                   31.   SOUTH LARGE             1418.0000         20.8529          9.5936         92.0378   (    68)
   AREA                   33.   SOUTH SMALL             1888.0000         33.7143         13.5798        184.3896   (    56)
   AREA                   34.   SOUTH RURAL              987.0000         21.4565         10.0415        100.8314   (    46)
   AREA                   41.   WEST LARGE              1467.0000         31.2128         11.3825        129.5624   (    47)
   AREA                   42.   WEST MEDIUM             2754.0000         32.4000         12.0012        144.0286   (    85)
   AREA                   43.   WEST SMALL              1703.0000         30.9636          9.2696         85.9246   (    55)
   AREA                   44.   WEST RURAL               893.0000         42.5238          9.4001         88.3619   (    21)

AGE                       12.   SIX                    11321.0000         35.0495         13.4015        179.6000   (   323)
   AREA                   12.   NE MEDIUM                225.0000         28.1250         12.9993        168.9821   (     8)
   AREA                   13.   NE SMALL                 424.0000         28.2667         11.1193        123.6381   (    15)
   AREA                   21.   NCENT LARGE             1778.0000         35.5600         13.8699        192.3739   (    50)
   AREA                   22.   NCENT MEDIUM            1554.0000         37.0000         11.8733        140.9756   (    42)
   AREA                   24.   NCENT RURAL             2881.0000         40.5775         13.1949        174.1046   (    71)
```

A-1-16 (cont.)

```
VARIABLE              CODE    VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE        N

  AREA                 31.   SOUTH LARGE            305.0000       20.3333        6.9144       47.8095   (   15)
  AREA                 33.   SOUTH SMALL            230.0000       32.8571       13.2970      176.8095   (    7)
  AREA                 34.   SOUTH RURAL            658.0000       27.4167        9.2403       85.3841   (   24)
  AREA                 41.   WEST LARGE             226.0000       37.6667        9.9130       98.2667   (    6)
  AREA                 42.   WEST MEDIUM           1708.0000       36.3404       13.9397      194.3164   (   47)
  AREA                 43.   WEST SMALL             664.0000       28.8696       12.3041      151.3913   (   23)
  AREA                 44.   WEST RURAL             668.0000       44.5333        6.6854       44.6952   (   15)

AGE                    13.   SIX AND ONE HALF       983.0000       33.8966       10.9881      120.7389   (   29)
  AREA                 11.   NE LARGE                16.0000       16.0000             0             0   (    1)
  AREA                 12.   NE MEDIUM               33.0000       33.0000             0             0   (    1)
  AREA                 13.   NE SMALL                58.0000       29.0000        2.8284        8.0000   (    2)
  AREA                 21.   NCENT LARGE            177.0000       29.5000       13.4870      181.9000   (    6)
  AREA                 22.   NCENT MEDIUM            55.0000       27.5000        2.1213        4.5000   (    2)
  AREA                 24.   NCENT RURAL            290.0000       41.4286       10.4699      109.6190   (    7)
  AREA                 31.   SOUTH LARGE             83.0000       41.5000         .7071         .5000   (    2)
  AREA                 33.   SOUTH SMALL             32.0000       32.0000             0             0   (    1)
  AREA                 41.   WEST LARGE             122.0000       40.6667       13.0512      170.3333   (    3)
  AREA                 42.   WEST MEDIUM             94.0000       31.3333        7.0946       50.3333   (    3)
  AREA                 43.   WEST SMALL              23.0000       23.0000             0             0   (    1)

AGE                    14.   SEVEN                  112.0000       37.3333        6.1101       37.3333   (    3)
  AREA                 22.   NCENT MEDIUM            32.0000       32.0000             0             0   (    1)
  AREA                 24.   NCENT RURAL             36.0000       36.0000             0             0   (    1)
  AREA                 31.   SOUTH LARGE             44.0000       44.0000             0             0   (    1)

 TOTAL CASES =     1972
```

A-1-17

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE    VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                   116287.0000        58.9691        13.3236       177.5186   (  1972)

AGE                          9.   FOUR AND ONE HALF        504.0000        56.0000        11.0000       121.0000   (     9)
   AREA                     11.   NE LARGE                 261.0000        52.2000         7.1554        51.2000   (     5)
   AREA                     12.   NE MEDIUM                131.0000        65.5000         7.7782        60.5000   (     2)
   AREA                     13.   NE SMALL                  71.0000        71.0000              0              0   (     1)
   AREA                     21.   NCENT LARGE               41.0000        41.0000              0              0   (     1)

AGE                         10.   FIVE                   39336.0000        57.6774        12.3037       151.3818   (   682)
   AREA                     11.   NE LARGE                3882.0000        55.4571        10.0169       100.3387   (    70)
   AREA                     12.   NE MEDIUM               3884.0000        57.1176        12.8986       166.3740   (    68)
   AREA                     13.   NE SMALL                4218.0000        63.9091        13.9557       194.7608   (    66)
   AREA                     21.   NCENT LARGE             4043.0000        54.6351        13.2753       176.2349   (    74)
   AREA                     22.   NCENT MEDIUM            4027.0000        59.2206        11.7332       137.6670   (    68)
   AREA                     24.   NCENT RURAL             3758.0000        64.7931         9.7850        95.7459   (    58)
   AREA                     31.   SOUTH LARGE             3566.0000        50.2254        11.0003       121.0056   (    71)
   AREA                     33.   SOUTH SMALL             2505.0000        62.6250        11.1532       124.3942   (    40)
   AREA                     34.   SOUTH RURAL             2003.0000        52.7105         8.9681        80.4275   (    38)
   AREA                     41.   WEST LARGE              2479.0000        56.3409        11.5817       134.1369   (    44)
   AREA                     42.   WEST MEDIUM             1938.0000        58.7273        10.1189       102.3920   (    33)
   AREA                     43.   WEST SMALL              2114.0000        54.2051         8.6212        74.3252   (    39)
   AREA                     44.   WEST RURAL               919.0000        70.6923        10.3633       107.3974   (    13)

AGE                         11.   FIVE AND ONE HALF      54610.0000        58.9741        13.6309       185.8026   (   926)
   AREA                     11.   NE LARGE                3770.0000        57.1212        12.3432       152.3543   (    66)
   AREA                     12.   NE MEDIUM               5888.0000        61.3333        13.6926       187.4877   (    96)
   AREA                     13.   NE SMALL                4120.0000        62.4242        14.0604       197.6942   (    66)
   AREA                     21.   NCENT LARGE             5057.0000        53.2316        11.7993       139.2224   (    95)
   AREA                     22.   NCENT MEDIUM            7398.0000        61.1405        12.5720       158.0551   (   121)
   AREA                     24.   NCENT RURAL             7101.0000        68.2788        12.9288       167.1545   (   104)
   AREA                     31.   SOUTH LARGE             3225.0000        47.4265        11.0593       122.3079   (    68)
   AREA                     33.   SOUTH SMALL             3596.0000        64.2143        12.2826       150.8623   (    56)
   AREA                     34.   SOUTH RURAL             2368.0000        51.4783         8.4689        71.7217   (    46)
   AREA                     41.   WEST LARGE              2473.0000        52.6170        10.5141       110.5458   (    47)
   AREA                     42.   WEST MEDIUM             5150.0000        60.5882        12.7029       161.3641   (    85)
   AREA                     43.   WEST SMALL              2928.0000        53.2364        10.9898       120.7764   (    55)
   AREA                     44.   WEST RURAL              1536.0000        73.1429         8.8390        78.1286   (    21)

AGE                         12.   SIX                    20016.0000        61.9690        14.0354       196.9928   (   323)
   AREA                     12.   NE MEDIUM                426.0000        53.2500         8.6148        74.2143   (     8)
   AREA                     13.   NE SMALL                 807.0000        53.8000         9.3442        87.3143   (    15)
   AREA                     21.   NCENT LARGE             3149.0000        62.9800        13.9905       195.7343   (    50)
   AREA                     22.   NCENT MEDIUM            2680.0000        63.8095        10.8498       117.7189   (    42)
   AREA                     24.   NCENT RURAL             4881.0000        68.7465        12.1440       147.4777   (    71)
```

A-1-17 (cont.)

```
VARIABLE               CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE         N

  AREA                  31.   SOUTH LARGE             624.0000      41.6000      12.7492      162.5429     (    15)
  AREA                  33.   SOUTH SMALL             481.0000      68.7143       7.7828       60.5714     (     7)
  AREA                  34.   SOUTH RURAL            1356.0000      56.5000       8.5109       72.4348     (    24)
  AREA                  41.   WEST LARGE              329.0000      54.8333      17.3829      302.1667     (     6)
  AREA                  42.   WEST MEDIUM            2977.0000      63.3404      12.4364      154.6642     (    47)
  AREA                  43.   WEST SMALL             1179.0000      51.2609      12.6678      160.4743     (    23)
  AREA                  44.   WEST RURAL             1127.0000      75.1333      13.4529      180.9810     (    15)

AGE                     13.   SIX AND ONE HALF       1639.0000      56.5172      14.5789      212.5443     (    29)
  AREA                  11.   NE LARGE                 39.0000      39.0000            0             0     (     1)
  AREA                  12.   NE MEDIUM                46.0000      46.0000            0             0     (     1)
  AREA                  13.   NE SMALL                 69.0000      34.5000      14.8492      220.5000     (     2)
  AREA                  21.   NCENT LARGE             291.0000      48.5000      15.4629      239.1000     (     6)
  AREA                  22.   NCENT MEDIUM            106.0000      53.0000       4.2426       18.0000     (     2)
  AREA                  24.   NCENT RURAL             475.0000      67.8571       9.5119       90.4762     (     7)
  AREA                  31.   SOUTH LARGE             121.0000      60.5000       3.5355       12.5000     (     2)
  AREA                  33.   SOUTH SMALL              72.0000      72.0000            0             0     (     1)
  AREA                  41.   WEST LARGE              194.0000      64.6667      18.0093      324.3333     (     3)
  AREA                  42.   WEST MEDIUM             163.0000      54.3333       6.6583       44.3333     (     3)
  AREA                  43.   WEST SMALL               63.0000      63.0000            0             0     (     1)

AGE                     14.   SEVEN                   182.0000      60.6667      11.6762      136.3333     (     3)
  AREA                  22.   NCENT MEDIUM             48.0000      48.0000            0             0     (     1)
  AREA                  24.   NCENT RURAL              71.0000      71.0000            0             0     (     1)
  AREA                  31.   SOUTH LARGE              63.0000      63.0000            0             0     (     1)

 TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE     VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  126786.0000      64.2931     13.0763      170.9907    ( 1972)

AGE                     9.   FOUR AND ONE HALF            558.0000      62.0000      9.2466       85.5000    (    9)
   AREA                11.   NE LARGE                     287.0000      57.4000      8.3845       70.3000    (    5)
   AREA                12.   NE MEDIUM                    144.0000      72.0000      2.8284        8.0000    (    2)
   AREA                13.   NE SMALL                      70.0000      70.0000           0             0    (    1)
   AREA                21.   NCENT LARGE                   57.0000      57.0000           0             0    (    1)

AGE                    10.   FIVE                       42787.0000      62.7375     12.6371      159.6975    (  682)
   AREA                11.   NE LARGE                    4315.0000      61.6429     11.4563      131.2474    (   70)
   AREA                12.   NE MEDIUM                   4368.0000      64.2353     13.3306      177.7050    (   68)
   AREA                13.   NE SMALL                    4398.0000      66.6364     13.5654      184.0196    (   66)
   AREA                21.   NCENT LARGE                 4322.0000      58.4054     12.7063      161.4498    (   74)
   AREA                22.   NCENT MEDIUM                4513.0000      66.3676     11.3109      127.9374    (   68)
   AREA                24.   NCENT RURAL                 4107.0000      70.8103      9.4022       88.4020    (   58)
   AREA                31.   SOUTH LARGE                 3921.0000      55.2254     10.7812      116.2342    (   71)
   AREA                33.   SOUTH SMALL                 2741.0000      68.5250     13.5059      182.4096    (   40)
   AREA                34.   SOUTH RURAL                 2209.0000      58.1316      9.5950       92.0633    (   38)
   AREA                41.   WEST LARGE                  2656.0000      60.3636     10.5060      110.3763    (   44)
   AREA                42.   WEST MEDIUM                 2030.0000      61.5152     11.7583      138.2576    (   33)
   AREA                43.   WEST SMALL                  2211.0000      56.6923      9.9951       99.9028    (   39)
   AREA                44.   WEST RURAL                   996.0000      76.6154      9.6914       93.9231    (   13)

AGE                    11.   FIVE AND ONE HALF          59702.0000      64.4730     13.1337      172.4939    (  926)
   AREA                11.   NE LARGE                    4056.0000      61.4545     12.2036      148.9287    (   66)
   AREA                12.   NE MEDIUM                   6507.0000      67.7813     14.5799      212.5727    (   96)
   AREA                13.   NE SMALL                    4354.0000      65.9697     12.3798      153.2606    (   66)
   AREA                21.   NCENT LARGE                 5656.0000      59.5368     11.3483      128.7832    (   95)
   AREA                22.   NCENT MEDIUM                8139.0000      67.2645     11.7727      138.5961    (  121)
   AREA                24.   NCENT RURAL                 7645.0000      73.5096     10.7360      115.2620    (  104)
   AREA                31.   SOUTH LARGE                 3677.0000      54.0735      9.6897       93.8900    (   68)
   AREA                33.   SOUTH SMALL                 4032.0000      72.0000     10.5778      111.8905    (   56)
   AREA                34.   SOUTH RURAL                 2630.0000      57.1739     11.1361      124.0135    (   46)
   AREA                41.   WEST LARGE                  2693.0000      57.2979      9.4061       88.4766    (   47)
   AREA                42.   WEST MEDIUM                 5424.0000      63.8118     13.4257      180.2499    (   85)
   AREA                43.   WEST SMALL                  3261.0000      59.2909     11.1233      123.7296    (   55)
   AREA                44.   WEST RURAL                  1628.0000      77.5238      7.6001       57.7619    (   21)

AGE                    12.   SIX                        21720.0000      67.2446     13.3716      178.8002    (  323)
   AREA                12.   NE MEDIUM                    484.0000      60.5000     15.6388      244.5714    (    8)
   AREA                13.   NE SMALL                     829.0000      55.2667     16.2853      265.2095    (   15)
   AREA                21.   NCENT LARGE                 3266.0000      65.3200     12.1243      146.9976    (   50)
   AREA                22.   NCENT MEDIUM                2974.0000      70.8095     10.9639      120.2067    (   42)
   AREA                24.   NCENT RURAL                 5244.0000      73.8592     11.0095      121.2085    (   71)
```

A-1-18 (cont.)

```
VARIABLE             CODE    VALUE LABEL                 SUM          MEAN       STD DEV     VARIANCE        N

  AREA                31.   SOUTH LARGE             715.0000       47.6667        7.1581      51.2381   (     15)
  AREA                33.   SOUTH SMALL             529.0000       75.5714        7.9552      63.2857   (      7)
  AREA                34.   SOUTH RURAL            1572.0000       65.5000        8.5516      73.1304   (     24)
  AREA                41.   WEST LARGE              402.0000       67.0000       15.1789     230.4000   (      6)
  AREA                42.   WEST MEDIUM            3143.0000       66.8723       13.1876     173.8964   (     47)
  AREA                43.   WEST SMALL             1368.0000       59.4783       11.1064     123.3518   (     23)
  AREA                44.   WEST RURAL             1194.0000       79.6000        6.2997      39.6857   (     15)

AGE                   13.   SIX AND ONE HALF       1829.0000       63.0690       13.9410     194.3522   (     29)
  AREA                11.   NE LARGE                 37.0000       37.0000        0            0        (      1)
  AREA                12.   NE MEDIUM                48.0000       48.0000        0            0        (      1)
  AREA                13.   NE SMALL                 84.0000       42.0000        1.4142       2.0000   (      2)
  AREA                21.   NCENT LARGE             375.0000       62.5000        7.8422      61.5000   (      6)
  AREA                22.   NCENT MEDIUM            112.0000       56.0000        5.6569      32.0000   (      2)
  AREA                24.   NCENT RURAL             527.0000       75.2857        9.4112      88.5714   (      7)
  AREA                31.   SOUTH LARGE             143.0000       71.5000        2.1213       4.5000   (      2)
  AREA                33.   SOUTH SMALL              69.0000       69.0000        0            0        (      1)
  AREA                41.   WEST LARGE              221.0000       73.6667       17.8979     320.3333   (      3)
  AREA                42.   WEST MEDIUM             163.0000       54.3333        5.8595      34.3333   (      3)
  AREA                43.   WEST SMALL               50.0000       50.0000        0            0        (      1)

AGE                   14.   SEVEN                   190.0000       63.3333       14.5717     212.3333   (      3)
  AREA                22.   NCENT MEDIUM             53.0000       53.0000        0            0        (      1)
  AREA                24.   NCENT RURAL              80.0000       80.0000        0            0        (      1)
  AREA                31.   SOUTH LARGE              57.0000       57.0000        0            0        (      1)

 TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE            CODE     VALUE LABEL               SUM           MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                  60141.0000       30.4975       12.9336       167.2780    (  1972)

LANGUAG                 -99.     UNKNOWN                 101.0000       33.6667        5.6862        32.3333    (     3)
    AREA                 21.     NCENT LARGE              32.0000       32.0000        0             0          (     1)
    AREA                 41.     WEST LARGE               69.0000       34.5000        7.7782        60.5000    (     2)

LANGUAG                   1.     ENGLISH               56378.0000       31.0452       12.9497       167.6938    (  1816)
    AREA                 11.     NE LARGE               3244.0000       26.5902       12.1728       148.1778    (   122)
    AREA                 12.     NE MEDIUM              5088.0000       32.8258       13.7227       188.3136    (   155)
    AREA                 13.     NE SMALL               4707.0000       31.3800       11.9527       142.8681    (   150)
    AREA                 21.     NCENT LARGE            6892.0000       30.7679       12.7497       162.5557    (   224)
    AREA                 22.     NCENT MEDIUM           6922.0000       32.4977       11.8503       140.4306    (   213)
    AREA                 24.     NCENT RURAL            8607.0000       35.8625       13.2359       175.1902    (   240)
    AREA                 31.     SOUTH LARGE            3141.0000       21.0805       10.8426       117.5610    (   149)
    AREA                 33.     SOUTH SMALL            3176.0000       30.5385       12.9884       168.6975    (   104)
    AREA                 34.     SOUTH RURAL            1595.0000       23.1159        9.4052        88.4569    (    69)
    AREA                 41.     WEST LARGE             2610.0000       33.4615       11.5215       132.7453    (    78)
    AREA                 42.     WEST MEDIUM            5479.0000       32.8084       12.4402       154.7582    (   167)
    AREA                 43.     WEST SMALL             2805.0000       29.2188       10.9719       120.3832    (    96)
    AREA                 44.     WEST RURAL             2112.0000       43.1020        8.6295        74.4685    (    49)

LANGUAG                   2.     SPANISH                2966.0000       23.9194       10.6187       112.7577    (   124)
    AREA                 11.     NE LARGE                462.0000       27.1765       13.1493       172.9044    (    17)
    AREA                 12.     NE MEDIUM                53.0000       17.6667       17.9536       322.3333    (     3)
    AREA                 22.     NCENT MEDIUM            426.0000       21.3000       10.1000       102.0105    (    20)
    AREA                 31.     SOUTH LARGE             161.0000       20.1250        7.5297        56.6964    (     8)
    AREA                 34.     SOUTH RURAL             875.0000       22.4359        9.6075        92.3050    (    39)
    AREA                 41.     WEST LARGE              496.0000       29.1765       11.7006       136.9044    (    17)
    AREA                 42.     WEST MEDIUM              25.0000       25.0000        0             0          (     1)
    AREA                 43.     WEST SMALL              468.0000       24.6316        8.5258        72.6901    (    19)

LANGUAG                   3.     OTHER                   696.0000       24.0000       12.3085       151.5000    (    29)
    AREA                 11.     NE LARGE                 96.0000       32.0000       11.5326       133.0000    (     3)
    AREA                 12.     NE MEDIUM               349.0000       20.5294       10.3387       106.8897    (    17)
    AREA                 21.     NCENT LARGE              27.0000       27.0000        0             0          (     1)
    AREA                 22.     NCENT MEDIUM              8.0000        8.0000        0             0          (     1)
    AREA                 24.     NCENT RURAL              40.0000       40.0000        0             0          (     1)
    AREA                 41.     WEST LARGE              120.0000       40.0000        7.9373        63.0000    (     3)
    AREA                 43.     WEST SMALL               56.0000       18.6667       13.5769       184.3333    (     3)
  TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR      STAND SC 3RD GR MAT TOTAL READING
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                 SUM          MEAN      STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  116287.0000      58.9691     13.3236      177.5186   (  1972)

LANGUAG                 -99.    UNKNOWN                   157.0000      52.3333      3.7859       14.3333   (     3)
    AREA                 21.    NCENT LARGE                55.0000      55.0000      0             0       (     1)
    AREA                 41.    WEST LARGE                102.0000      51.0000      4.2426       18.0000   (     2)

LANGUAG                   1.    ENGLISH                107748.0000      59.3326     13.5194      182.7753   (  1816)
    AREA                 11.    NE LARGE                 6753.0000      55.3525     11.2212      125.9161   (   122)
    AREA                 12.    NE MEDIUM                9220.0000      59.4839     13.4866      181.8877   (   155)
    AREA                 13.    NE SMALL                 9285.0000      61.9000     14.1434      200.0349   (   150)
    AREA                 21.    NCENT LARGE             12481.0000      55.7188     13.4703      181.4497   (   224)
    AREA                 22.    NCENT MEDIUM            13121.0000      61.6009     12.1401      147.3825   (   213)
    AREA                 24.    NCENT RURAL             16225.0000      67.6042     11.9461      142.7088   (   240)
    AREA                 31.    SOUTH LARGE              7223.0000      48.4765     11.5341      133.0349   (   149)
    AREA                 33.    SOUTH SMALL              6654.0000      63.9808     11.5792      134.0773   (   104)
    AREA                 34.    SOUTH RURAL              3583.0000      51.9275      8.9825       80.6858   (    69)
    AREA                 41.    WEST LARGE               4305.0000      55.1923     12.0810      145.9496   (    78)
    AREA                 42.    WEST MEDIUM             10176.0000      60.9341     12.1557      147.7607   (   167)
    AREA                 43.    WEST SMALL               5140.0000      53.5417     10.9361      119.5982   (    96)
    AREA                 44.    WEST RURAL               3582.0000      73.1020     10.7262      115.0519   (    49)

LANGUAG                   2.    SPANISH                  6701.0000      54.0403      9.5214       90.6569   (   124)
    AREA                 11.    NE LARGE                 1000.0000      58.8235     10.4597      109.4044   (    17)
    AREA                 12.    NE MEDIUM                 172.0000      57.3333      1.5275        2.3333   (     3)
    AREA                 22.    NCENT MEDIUM             1080.0000      54.0000      9.0902       82.6316   (    20)
    AREA                 31.    SOUTH LARGE               376.0000      47.0000     10.3372      106.8571   (     8)
    AREA                 34.    SOUTH RURAL              2144.0000      54.9744      8.1998       67.2362   (    39)
    AREA                 41.    WEST LARGE                889.0000      52.2941     11.1454      124.2206   (    17)
    AREA                 42.    WEST MEDIUM                52.0000      52.0000      0             0       (     1)
    AREA                 43.    WEST SMALL                988.0000      52.0000      9.2736       86.0000   (    19)

LANGUAG                   3.    OTHER                    1681.0000      57.9655     11.2741      127.1059   (    29)
    AREA                 11.    NE LARGE                  199.0000      66.3333      1.1547        1.3333   (     3)
    AREA                 12.    NE MEDIUM                 983.0000      57.8235     13.0778      171.0294   (    17)
    AREA                 21.    NCENT LARGE                45.0000      45.0000      0             0       (     1)
    AREA                 22.    NCENT MEDIUM               58.0000      58.0000      0             0       (     1)
    AREA                 24.    NCENT RURAL                61.0000      61.0000      0             0       (     1)
    AREA                 41.    WEST LARGE                179.0000      59.6667      9.2376       85.3333   (     3)
    AREA                 43.    WEST SMALL                156.0000      52.0000      8.5440       73.0000   (     3)

  TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAR    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE     VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   126786.0000       64.2931       13.0763       170.9907   (  1972)

LANGUAG                   -99.     UNKNOWN                 174.0000       58.6667        1.1547         1.3333   (     3)
   AREA                    21.     NCENT LARGE              58.0000       58.0000             0              0   (     1)
   AREA                    41.     WEST LARGE              118.0000       59.0000        1.4142         2.0000   (     2)

LANGUAG                     1.     ENGLISH              117239.0000       64.5589       13.2062       174.4042   (  1816)
   AREA                    11.     NE LARGE               7420.0000       60.8197       11.4819       131.8350   (   122)
   AREA                    12.     NE MEDIUM             10293.0000       66.4065       14.3381       205.5805   (   155)
   AREA                    13.     NE SMALL               9735.0000       64.9000       13.8010       190.4464   (   150)
   AREA                    21.     NCENT LARGE           13565.0000       60.5580       12.1554       147.7545   (   224)
   AREA                    22.     NCENT MEDIUM          14489.0000       68.0235       11.6025       134.6174   (   213)
   AREA                    24.     NCENT RURAL           17527.0000       73.0292       10.5022       110.2962   (   240)
   AREA                    31.     SOUTH LARGE            8120.0000       54.4966       10.3979       108.1165   (   149)
   AREA                    33.     SOUTH SMALL            7371.0000       70.8750       11.6990       136.8677   (   104)
   AREA                    34.     SOUTH RURAL            3978.0000       57.6522       10.9717       120.3772   (    69)
   AREA                    41.     WEST LARGE             4650.0000       59.6154       10.9808       120.5774   (    78)
   AREA                    42.     WEST MEDIUM           10711.0000       64.1377       13.0522       170.3604   (   167)
   AREA                    43.     WEST SMALL             5562.0000       57.9375       10.7212       114.9434   (    96)
   AREA                    44.     WEST RURAL             3818.0000       77.9184        7.7804        60.5349   (    49)

LANGUAG                     2.     SPANISH                7555.0000       60.9274       10.5724       111.7752   (   124)
   AREA                    11.     NE LARGE               1046.0000       61.5294       13.3936       179.3897   (    17)
   AREA                    12.     NE MEDIUM               200.0000       66.6667        4.1633        17.3333   (     3)
   AREA                    22.     NCENT MEDIUM           1246.0000       62.3000       10.0583       101.1684   (    20)
   AREA                    31.     SOUTH LARGE             393.0000       49.1250        5.9866        35.8393   (     8)
   AREA                    34.     SOUTH RURAL            2433.0000       62.3846        9.0426        81.7692   (    39)
   AREA                    41.     WEST LARGE             1034.0000       60.8235       11.3591       129.0294   (    17)
   AREA                    42.     WEST MEDIUM              49.0000       49.0000             0              0   (     1)
   AREA                    43.     WEST SMALL             1154.0000       60.7368       10.5822       111.9825   (    19)

LANGUAG                     3.     OTHER                  1816.0000       62.6207       13.3882       179.2438   (    29)
   AREA                    11.     NE LARGE                229.0000       76.3333        9.0738        82.3333   (     3)
   AREA                    12.     NE MEDIUM              1058.0000       62.2353       13.7228       188.3162   (    17)
   AREA                    21.     NCENT LARGE              53.0000       53.0000             0              0   (     1)
   AREA                    22.     NCENT MEDIUM             56.0000       56.0000             0              0   (     1)
   AREA                    24.     NCENT RURAL              76.0000       76.0000             0              0   (     1)
   AREA                    41.     WEST LARGE              170.0000       56.6667       14.1892       201.3333   (     3)
   AREA                    43.     WEST SMALL              174.0000       58.0000       13.8924       193.0000   (     3)
 TOTAL CASES =     1972
```

A-1-22

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE     VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                     60141.0000       30.4975       12.9336      167.2780   (  1972)

ETHNICTY                  -99.     UNKNOWN                  150.0000       25.0000       12.0167      144.4000   (     6)
   AREA                    21.     NCENT LARGE               27.0000       27.0000             0             0   (     1)
   AREA                    22.     NCENT MEDIUM              27.0000       27.0000             0             0   (     1)
   AREA                    24.     NCENT RURAL               40.0000       40.0000             0             0   (     1)
   AREA                    43.     WEST SMALL                56.0000       18.6667       13.5769      184.3333   (     3)

ETHNICTY                    1.     WHITE                  34866.0000       34.7617       12.9535      167.7925   (  1003)
   AREA                    11.     NE LARGE                  77.0000       38.5000       26.1630      684.5000   (     2)
   AREA                    12.     NE MEDIUM               3795.0000       34.5000       14.3500      205.9220   (   110)
   AREA                    13.     NE SMALL                4015.0000       32.1200       12.1400      147.3806   (   125)
   AREA                    21.     NCENT LARGE             1914.0000       39.0612       14.4877      209.8930   (    49)
   AREA                    22.     NCENT MEDIUM            4298.0000       36.4237       11.5288      132.9129   (   118)
   AREA                    24.     NCENT RURAL             8263.0000       36.4009       13.0622      170.6218   (   227)
   AREA                    31.     SOUTH LARGE              417.0000       34.7500       10.7291      115.1136   (    12)
   AREA                    33.     SOUTH SMALL             2949.0000       32.0543       12.7928      163.6564   (    92)
   AREA                    34.     SOUTH RURAL              770.0000       25.6667        9.2039       84.7126   (    30)
   AREA                    41.     WEST LARGE               523.0000       43.5833       12.7098      161.5379   (    12)
   AREA                    42.     WEST MEDIUM             3920.0000       34.6903       12.9284      167.1443   (   113)
   AREA                    43.     WEST SMALL              1813.0000       28.3281       10.5048      110.3509   (    64)
   AREA                    44.     WEST RURAL              2112.0000       43.1020        8.6295       74.4685   (    49)

ETHNICTY                    2.     BLACK                  19054.0000       25.7835       11.3268      128.2972   (   739)
   AREA                    11.     NE LARGE                3153.0000       26.2750       11.9304      142.3355   (   120)
   AREA                    12.     NE MEDIUM               1611.0000       26.4098       11.5562      133.5459   (    61)
   AREA                    13.     NE SMALL                 665.0000       27.7083       10.6341      113.0851   (    24)
   AREA                    21.     NCENT LARGE             4895.0000       28.2948       11.0222      121.4882   (   173)
   AREA                    22.     NCENT MEDIUM            2354.0000       27.0575       10.3893      107.9385   (    87)
   AREA                    24.     NCENT RURAL              278.0000       25.2727       13.6608      186.6182   (    11)
   AREA                    31.     SOUTH LARGE             2605.0000       19.8855       10.0657      101.3176   (   131)
   AREA                    33.     SOUTH SMALL              227.0000       18.9167        7.6925       59.1742   (    12)
   AREA                    34.     SOUTH RURAL              764.0000       20.6486        8.8324       78.0120   (    37)
   AREA                    41.     WEST LARGE              1472.0000       32.0000       10.1346      102.7111   (    46)
   AREA                    42.     WEST MEDIUM              642.0000       27.9130       10.8791      118.3557   (    23)
   AREA                    43.     WEST SMALL               388.0000       27.7143       11.8349      140.0659   (    14)

ETHNICTY                    3.     OTHER                   6071.0000       27.1027       11.3542      128.9177   (   224)
   AREA                    11.     NE LARGE                 572.0000       28.6000       12.6840      160.8842   (    20)
   AREA                    12.     NE MEDIUM                 84.0000       21.0000       16.1038      259.3333   (     4)
   AREA                    13.     NE SMALL                  27.0000       27.0000             0             0   (     1)
   AREA                    21.     NCENT LARGE              115.0000       38.3333       18.4481      340.3333   (     3)
   AREA                    22.     NCENT MEDIUM             677.0000       24.1786       11.5824      134.1521   (    28)
   AREA                    24.     NCENT RURAL               66.0000       33.0000       11.3137      128.0000   (     2)
```

A-1-22 (cont.)

```
   VARIABLE              CODE    VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

  AREA                    31.   SOUTH LARGE              280.0000       20.0000        8.4124       70.7692    (    14)
  AREA                    34.   SOUTH RURAL              936.0000       22.8293        9.8130       96.2951    (    41)
  AREA                    41.   WEST LARGE              1300.0000       30.9524       11.0981      123.1684    (    42)
  AREA                    42.   WEST MEDIUM              942.0000       29.4375       10.0191      100.3831    (    32)
  AREA                    43.   WEST SMALL              1072.0000       28.9730       10.9125      119.0826    (    37)

 TOTAL CASES =     1972
```

A-1-23

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
-------------------------------------------------------------------------------------------

   VARIABLE            CODE    VALUE LABEL             SUM          MEAN      STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                            116287.0000      58.9691     13.3236     177.5186   ( 1972)

ETHNICTY               -99.   UNKNOWN               318.0000      53.0000      7.5631      57.2000   (    6)
   AREA                 21.   NCENT LARGE            45.0000      45.0000      0           0         (    1)
   AREA                 22.   NCENT MEDIUM           56.0000      56.0000      0           0         (    1)
   AREA                 24.   NCENT RURAL            61.0000      61.0000      0           0         (    1)
   AREA                 43.   WEST SMALL            156.0000      52.0000      8.5440      73.0000   (    3)

ETHNICTY                 1.   WHITE               65230.0000      65.0349     12.8203     164.3591   ( 1003)
   AREA                 11.   NE LARGE              146.0000      73.0000     29.6985     882.0000   (    2)
   AREA                 12.   NE MEDIUM            7055.0000      64.1364     12.4093     153.9904   (  110)
   AREA                 13.   NE SMALL             8022.0000      64.1760     13.6589     186.5655   (  125)
   AREA                 21.   NCENT LARGE          3316.0000      67.6735     14.9936     224.8078   (   49)
   AREA                 22.   NCENT MEDIUM         7606.0000      64.4576     13.4455     180.7802   (  118)
   AREA                 24.   NCENT RURAL         15471.0000      68.1542     11.6891     136.6354   (  227)
   AREA                 31.   SOUTH LARGE           740.0000      61.6667      8.7004      75.6970   (   12)
   AREA                 33.   SOUTH SMALL          6033.0000      65.5761     10.9024     118.8623   (   92)
   AREA                 34.   SOUTH RURAL          1676.0000      55.8667      8.3034      68.9471   (   30)
   AREA                 41.   WEST LARGE            832.0000      69.3333     12.4851     155.8788   (   12)
   AREA                 42.   WEST MEDIUM          7290.0000      64.5133     12.0127     144.3054   (  113)
   AREA                 43.   WEST SMALL           3461.0000      54.0781     10.7729     116.0414   (   64)
   AREA                 44.   WEST RURAL           3582.0000      73.1020     10.7262     115.0519   (   49)

ETHNICTY                 2.   BLACK               38408.0000      51.9729     10.7514     115.5928   (  739)
   AREA                 11.   NE LARGE             6590.0000      54.9167     10.6641     113.7241   (  120)
   AREA                 12.   NE MEDIUM            3097.0000      50.7705     10.7430     115.4131   (   61)
   AREA                 13.   NE SMALL             1213.0000      50.5417     11.0058     121.1286   (   24)
   AREA                 21.   NCENT LARGE          9013.0000      52.0983     10.6818     114.1008   (  173)
   AREA                 22.   NCENT MEDIUM         5023.0000      57.7356      8.9280      79.7084   (   87)
   AREA                 24.   NCENT RURAL           612.0000      55.6364     12.4601     155.2545   (   11)
   AREA                 31.   SOUTH LARGE          6209.0000      47.3969     11.2419     126.3797   (  131)
   AREA                 33.   SOUTH SMALL           621.0000      51.7500      9.3626      87.6591   (   12)
   AREA                 34.   SOUTH RURAL          1787.0000      48.2973      8.1407      66.2703   (   37)
   AREA                 41.   WEST LARGE           2384.0000      51.8261      9.9673      99.3469   (   46)
   AREA                 42.   WEST MEDIUM          1163.0000      50.5652      6.4725      41.8933   (   23)
   AREA                 43.   WEST SMALL            696.0000      49.7143      9.9261      98.5275   (   14)

ETHNICTY                 3.   OTHER               12331.0000      55.0491     10.1284     102.5850   (  224)
   AREA                 11.   NE LARGE             1216.0000      60.8000     10.0032     100.0632   (   20)
   AREA                 12.   NE MEDIUM             223.0000      55.7500      3.4034      11.5833   (    4)
   AREA                 13.   NE SMALL               50.0000      50.0000      0           0         (    1)
   AREA                 21.   NCENT LARGE           207.0000      69.0000     11.1355     124.0000   (    3)
   AREA                 22.   NCENT MEDIUM         1574.0000      56.2143     10.3113     106.3228   (   28)
   AREA                 24.   NCENT RURAL           142.0000      71.0000      2.8284       8.0000   (    2)
```

A-1-23 (cont.)

```
 VARIABLE            CODE     VALUE LABEL                SUM          MEAN       STD DEV       VARIANCE        N

AREA                   31.  SOUTH LARGE            650.0000       46.4286        8.2901        68.7253   (    14)
AREA                   34.  SOUTH RURAL           2264.0000       55.2195        8.0948        65.5256   (    41)
AREA                   41.  WEST LARGE            2259.0000       53.7857       10.4334       108.8554   (    42)
AREA                   42.  WEST MEDIUM           1775.0000       55.4688        9.2422        85.4183   (    32)
AREA                   43.  WEST SMALL            1971.0000       53.2703       10.7203       114.9249   (    37)

TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE      VALUE LABEL                SUM            MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                    126786.0000       64.2931       13.0763       170.9907     (  1972)

ETHNICTY                 -99.    UNKNOWN                    347.0000       57.8333       13.6443       186.1667     (     6)
   AREA                   21.    NCENT LARGE                 53.0000       53.0000             0              0     (     1)
   AREA                   22.    NCENT MEDIUM                44.0000       44.0000             0              0     (     1)
   AREA                   24.    NCENT RURAL                 76.0000       76.0000             0              0     (     1)
   AREA                   43.    WEST SMALL                 174.0000       58.0000       13.8924       193.0000     (     3)

ETHNICTY                   1.    WHITE                    69995.0000       69.7856       12.6633       160.3602     (  1003)
   AREA                   11.    NE LARGE                   139.0000       69.5000       36.0624      1300.5000     (     2)
   AREA                   12.    NE MEDIUM                 7769.0000       70.6273       14.0235       196.6580     (   110)
   AREA                   13.    NE SMALL                  8374.0000       66.9920       13.2808       176.3790     (   125)
   AREA                   21.    NCENT LARGE               3488.0000       71.1837       10.9443       119.7781     (    49)
   AREA                   22.    NCENT MEDIUM              8281.0000       70.1780       12.4349       154.6262     (   118)
   AREA                   24.    NCENT RURAL              16679.0000       73.4758       10.3267       106.6399     (   227)
   AREA                   31.    SOUTH LARGE                768.0000       64.0000        8.7698        76.9091     (    12)
   AREA                   33.    SOUTH SMALL               6638.0000       72.1522       11.6515       135.7568     (    92)
   AREA                   34.    SOUTH RURAL               1815.0000       60.5000       11.9041       141.7069     (    30)
   AREA                   41.    WEST LARGE                 852.0000       71.0000       14.1486       200.1818     (    12)
   AREA                   42.    WEST MEDIUM               7691.0000       68.0619       12.2031       148.9159     (   113)
   AREA                   43.    WEST SMALL                3683.0000       57.5469       11.3346       128.4740     (    64)
   AREA                   44.    WEST RURAL                3818.0000       77.9184        7.7806        60.5369     (    49)

ETHNICTY                   2.    BLACK                    42722.0000       57.8106       10.7573       115.7202     (   739)
   AREA                   11.    NE LARGE                  7238.0000       60.3167       10.8728       118.2182     (   120)
   AREA                   12.    NE MEDIUM                 3518.0000       57.6721       10.7342       115.2240     (    61)
   AREA                   13.    NE SMALL                  1298.0000       54.0833       11.7025       136.9493     (    24)
   AREA                   21.    NCENT LARGE               9929.0000       57.3931       10.5625       111.5655     (   173)
   AREA                   22.    NCENT MEDIUM              5671.0000       65.1839        9.7020        94.1286     (    87)
   AREA                   24.    NCENT RURAL                712.0000       64.7273       11.8245       139.8182     (    11)
   AREA                   31.    SOUTH LARGE               7037.0000       53.7176       10.2547       105.1581     (   131)
   AREA                   33.    SOUTH SMALL                733.0000       61.0833        6.3455        40.2652     (    12)
   AREA                   34.    SOUTH RURAL               2029.0000       54.8378        9.6681        93.4730     (    37)
   AREA                   41.    WEST LARGE                2568.0000       55.8261        7.7152        59.5246     (    46)
   AREA                   42.    WEST MEDIUM               1196.0000       52.0000        9.2392        85.3636     (    23)
   AREA                   43.    WEST SMALL                 793.0000       56.6429        6.5116        42.4011     (    14)

ETHNICTY                   3.    OTHER                    13722.0000       61.2589       10.8770       118.3093     (   224)
   AREA                   11.    NE LARGE                  1318.0000       65.9000       13.8636       192.2000     (    20)
   AREA                   12.    NE MEDIUM                  264.0000       66.0000        3.6515        13.3333     (     4)
   AREA                   13.    NE SMALL                    63.0000       63.0000             0              0     (     1)
   AREA                   21.    NCENT LARGE                206.0000       68.6667       16.6533       277.3333     (     3)
   AREA                   22.    NCENT MEDIUM              1795.0000       64.1071       10.2174       104.3955     (    28)
   AREA                   24.    NCENT RURAL                136.0000       68.0000        2.8284         8.0000     (     2)
```

A-1-24 (cont.)

```
VARIABLE              CODE   VALUE LABEL              SUM          MEAN        STD DEV      VARIANCE        N

AREA                   31.   SOUTH LARGE          708.0000      50.5714       6.7221       45.1868    (    14)
AREA                   34.   SOUTH RURAL         2567.0000      62.6098       8.8710       78.6939    (    41)
AREA                   41.   WEST LARGE          2552.0000      60.7619      10.6538      113.5029    (    42)
AREA                   42.   WEST MEDIUM         1873.0000      58.5313      11.0978      123.1603    (    32)
AREA                   43.   WEST SMALL          2240.0000      60.5405      10.7438      115.4219    (    37)

TOTAL CASES =     1972
```

258

A-1-25

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    MOVES      NO. OF SCHOOL TRANSFERS
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE      VALUE LABEL                 SUM            MEAN        STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                    60141.0000        30.4975        12.9336        167.2780    (  1972)

MOVES                       0                            44625.0000        30.4400        12.8544        165.2363    (  1466)
   AREA                   11.      NE LARGE               3494.0000        26.8769        12.4272        154.4343    (   130)
   AREA                   12.      NE MEDIUM              4157.0000        30.7926        13.4031        179.6432    (   135)
   AREA                   13.      NE SMALL               1989.0000        31.0781        11.6432        135.5652    (    64)
   AREA                   21.      NCENT LARGE            5917.0000        30.9791        12.8967        166.2712    (   191)
   AREA                   22.      NCENT MEDIUM           6205.0000        30.8706        12.0151        144.3632    (   201)
   AREA                   24.      NCENT RURAL            4809.0000        36.4318        12.9043        166.5220    (   132)
   AREA                   31.      SOUTH LARGE            2469.0000        21.6579        10.7208        114.9350    (   114)
   AREA                   33.      SOUTH SMALL            1751.0000        31.8364        13.7272        188.4357    (    55)
   AREA                   34.      SOUTH RURAL            2255.0000        23.0102         9.6821         93.7422    (    98)
   AREA                   41.      WEST LARGE             2495.0000        35.1408        11.2913        127.4942    (    71)
   AREA                   42.      WEST MEDIUM            4687.0000        33.9638        12.5468        157.4220    (   138)
   AREA                   43.      WEST SMALL             2969.0000        28.5481        11.0136        121.2986    (   104)
   AREA                   44.      WEST RURAL             1428.0000        43.2727         8.0865         65.3990    (    33)

MOVES                      1.                            12427.0000        30.9900        13.1941        174.0849    (   401)
   AREA                   11.      NE LARGE                290.0000        26.3636        10.2399        104.8545    (    11)
   AREA                   12.      NE MEDIUM              1268.0000        33.3684        16.2687        264.6714    (    38)
   AREA                   13.      NE SMALL               1899.0000        33.3158        12.8718        165.6842    (    57)
   AREA                   21.      NCENT LARGE             971.0000        30.3438        11.5105        132.4909    (    32)
   AREA                   22.      NCENT MEDIUM            910.0000        35.0000        13.2182        174.7200    (    26)
   AREA                   24.      NCENT RURAL            2870.0000        33.7647        13.4533        180.9916    (    85)
   AREA                   31.      SOUTH LARGE             386.0000        19.3000        12.0748        145.8000    (    20)
   AREA                   33.      SOUTH SMALL            1077.0000        29.1081        12.1193        146.8749    (    37)
   AREA                   34.      SOUTH RURAL             215.0000        21.5000         6.8354         46.7222    (    10)
   AREA                   41.      WEST LARGE              706.0000        27.1538        10.3603        107.3354    (    26)
   AREA                   42.      WEST MEDIUM             817.0000        27.2333        10.2845        105.7713    (    30)
   AREA                   43.      WEST SMALL              334.0000        25.6923         9.7244         94.5641    (    13)
   AREA                   44.      WEST RURAL              684.0000        42.7500         9.9298         98.6000    (    16)

MOVES                      2.                             2710.0000        28.5263        12.9137        166.7626    (    95)
   AREA                   11.      NE LARGE                 18.0000        18.0000              0               0    (     1)
   AREA                   12.      NE MEDIUM                65.0000        32.5000        13.4350        180.5000    (     2)
   AREA                   13.      NE SMALL                776.0000        27.7143        10.0696        101.3968    (    28)
   AREA                   21.      NCENT LARGE              63.0000        21.0000        11.5326        133.0000    (     3)
   AREA                   22.      NCENT MEDIUM            204.0000        34.0000        13.0231        169.6000    (     6)
   AREA                   24.      NCENT RURAL             726.0000        40.3333        13.0879        171.2941    (    18)
   AREA                   31.      SOUTH LARGE             447.0000        19.4348         9.2482         85.5296    (    23)
   AREA                   33.      SOUTH SMALL             291.0000        29.1000        13.7877        190.1000    (    10)
   AREA                   41.      WEST LARGE               94.0000        31.3333         9.6090         92.3333    (     3)
   AREA                   43.      WEST SMALL               26.0000        26.0000              0               0    (     1)

MOVES                      3.                              379.0000        37.9000        12.0411        144.9889    (    10)
   AREA                   13.      NE SMALL                 43.0000        43.0000              0               0    (     1)
```

338

337

```
                                                                                                  PAGE   39
```

A-1-25 (cont.)

```
  VARIABLE               CODE    VALUE LABEL                     SUM          MEAN        STD DEV       VARIANCE          N

 AREA                      22.   NCENT MEDIUM                37.0000       37.0000              0              0    (     1)
 AREA                      24.   NCENT RURAL                242.0000       40.3333        14.5694       212.2667    (     6)
 AREA                      33.   SOUTH SMALL                 57.0000       28.5000         2.1213         4.5000    (     2)

TOTAL CASES =    1972
```

A-1-26

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   S53MR
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  116287,0000      58.9691     13.3236     177,5186    (  1972)

MOVES                       0                           85961,0000      58.6364     12.8470     165,0466    (  1466)
   AREA                   11.   NE LARGE                 7318,0000      56.2923     11.3973     129,8984    (   130)
   AREA                   12.   NE MEDIUM                7933,0000      58.7630     12.3059     151,4359    (   135)
   AREA                   13.   NE SMALL                 4072,0000      63.6250     13.6353     185,9206    (    64)
   AREA                   21.   NCENT LARGE             10649,0000      55.7539     13.4459     180,7760    (   191)
   AREA                   22.   NCENT MEDIUM            12244,0000      60.9154     10.9790     120,5378    (   201)
   AREA                   24.   NCENT RURAL              8837,0000      66.9470     10.7436     115,4246    (   132)
   AREA                   31.   SOUTH LARGE              5507,0000      48.3070     11.7580     138,2500    (   114)
   AREA                   33.   SOUTH SMALL              3627,0000      65.9455     11.5477     133,3488    (    55)
   AREA                   34.   SOUTH RURAL              5240,0000      53.4694      8.6730      75,2207    (    98)
   AREA                   41.   WEST LARGE               4096,0000      57.6901     10.7870     116,3598    (    71)
   AREA                   42.   WEST MEDIUM              8442,0000      61.1739     12.6040     158,8600    (   138)
   AREA                   43.   WEST SMALL               5520,0000      53.0769     10.2139     104,3241    (   104)
   AREA                   44.   WEST RURAL               2476,0000      75.0303     10.9985     120,9678    (    33)

MOVES                      1.                           24221,0000      60.4015     14.5592     211,9709    (   401)
   AREA                   11.   NE LARGE                  586,0000      53.2727      7.6301      58,2182    (    11)
   AREA                   12.   NE MEDIUM                2299,0000      60.5000     16.3917     268,6892    (    38)
   AREA                   13.   NE SMALL                 3605,0000      63.2456     13.2480     175,5100    (    57)
   AREA                   21.   NCENT LARGE              1778,0000      55.5625     13.7581     189,2863    (    32)
   AREA                   22.   NCENT MEDIUM             1630,0000      62.6923     18.9647     359,6615    (    26)
   AREA                   24.   NCENT RURAL              5730,0000      67.4118     13.9653     195,0308    (    85)
   AREA                   31.   SOUTH LARGE              1003,0000      50.1500     11.0514     122,1342    (    20)
   AREA                   33.   SOUTH SMALL              2297,0000      62.0811     10.9858     120,6877    (    37)
   AREA                   34.   SOUTH RURAL               487,0000      48.7000      9.2502      85,5667    (    10)
   AREA                   41.   WEST LARGE               1216,0000      46.7692     11.3219     128,1846    (    26)
   AREA                   42.   WEST MEDIUM              1786,0000      59.5333      9.7865      95,7747    (    30)
   AREA                   43.   WEST SMALL                698,0000      53.6923     13.4931     182,0641    (    13)
   AREA                   44.   WEST RURAL               1106,0000      69.1250      9.2223      85,0500    (    16)

MOVES                      2.                            5411,0000      56.9579     14.3919     207,1259    (    95)
   AREA                   11.   NE LARGE                   48,0000      48.0000      0               0      (     1)
   AREA                   12.   NE MEDIUM                 143,0000      71.5000     13.4350     180,5000    (     2)
   AREA                   13.   NE SMALL                 1518,0000      54.2143     14.3071     204,6931    (    28)
   AREA                   21.   NCENT LARGE               154,0000      51.3333     12.3423     152,3333    (     3)
   AREA                   22.   NCENT MEDIUM              333,0000      55.5000      9.4181      88,7000    (     6)
   AREA                   24.   NCENT RURAL              1296,0000      72.0000      9.7135      94,3529    (    18)
   AREA                   31.   SOUTH LARGE              1089,0000      47.3478     10.4951     110,1462    (    23)
   AREA                   33.   SOUTH SMALL               601,0000      60.1000     13.9638     194,9889    (    10)
   AREA                   41.   WEST LARGE                163,0000      54.3333      2.5166       6,3333    (     3)
   AREA                   43.   WEST SMALL                 66,0000      66.0000      0               0      (     1)

MOVES                      3.                             694,0000      69.4000     12.3846     153,3778    (    10)
   AREA                   13.   NE SMALL                   90,0000      90.0000      0               0      (     1)
```

342

341

A-1-26 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE       N

 AREA                    22.  NCENT MEDIUM              52.0000       52.0000           0             0   (      1)
 AREA                    24.  NCENT RURAL              423.0000       70.5000     10.8213      117.1000   (      6)
 AREA                    33.  SOUTH SMALL              129.0000       64.5000      3.5355       12.5000   (      2)

TOTAL CASES =     1972
```

```
------------------ D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ------------------
CRITERION VARIABLE   S53MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
-----------------------------------------------------------------------------------------------

     VARIABLE            CODE     VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                126784.0000      64.2931      13.0763      170.9907   (  1972)

MOVES                      0                          93821.0000      63.9980      12.8649      165.5065   (  1466)
   AREA                   11.   NE LARGE               8014.0000      61.6615      11.8148      139.5900   (   130)
   AREA                   12.   NE MEDIUM              8828.0000      65.3926      14.1041      198.9268   (   135)
   AREA                   13.   NE SMALL               4229.0000      66.0781      13.8338      191.3748   (    64)
   AREA                   21.   NCENT LARGE           11613.0000      60.8010      12.2587      150.2760   (   191)
   AREA                   22.   NCENT MEDIUM          13550.0000      67.4129      10.8763      118.2936   (   201)
   AREA                   24.   NCENT RURAL            9565.0000      72.4621      10.7380      115.3039   (   132)
   AREA                   31.   SOUTH LARGE            6239.0000      54.7281      10.3849      107.8459   (   114)
   AREA                   33.   SOUTH SMALL            4056.0000      73.7455      11.4102      130.1933   (    55)
   AREA                   34.   SOUTH RURAL            5849.0000      59.6837      10.4621      109.4556   (    98)
   AREA                   41.   WEST LARGE             4381.0000      61.7042      11.1232      123.7256   (    71)
   AREA                   42.   WEST MEDIUM            8837.0000      64.0362      13.2684      176.0498   (   138)
   AREA                   43.   WEST SMALL             6050.0000      58.1731      10.3083      106.2610   (   104)
   AREA                   44.   WEST RURAL             2608.0000      79.0303       7.2132       52.0303   (    33)

MOVES                      1.                         26456.0000      65.9751      13.5716      184.1894   (   401)
   AREA                   11.   NE LARGE                617.0000      56.0909      11.7086      137.0909   (    11)
   AREA                   12.   NE MEDIUM              2585.0000      68.0263      14.7749      218.2966   (    38)
   AREA                   13.   NE SMALL               3837.0000      67.3158      12.5501      157.5056   (    57)
   AREA                   21.   NCENT LARGE            1901.0000      59.4063      11.6449      135.6030   (    32)
   AREA                   22.   NCENT MEDIUM           1763.0000      67.8077      15.5075      240.4815   (    26)
   AREA                   24.   NCENT RURAL            6269.0000      73.7529      10.9522      119.9501   (    85)
   AREA                   31.   SOUTH LARGE            1085.0000      54.2500      10.7060      114.6184   (    20)
   AREA                   33.   SOUTH SMALL            2527.0000      68.2973      10.9490      119.8814   (    37)
   AREA                   34.   SOUTH RURAL             562.0000      56.2000      11.1734      124.8444   (    10)
   AREA                   41.   WEST LARGE             1408.0000      54.1538       8.8981       79.1756   (    26)
   AREA                   42.   WEST MEDIUM            1923.0000      64.1000      12.3018      151.3345   (    30)
   AREA                   43.   WEST SMALL              769.0000      59.1538      13.9334      194.1410   (    13)
   AREA                   44.   WEST RURAL             1210.0000      75.6250       8.6246       74.3833   (    16)

MOVES                      2.                          5806.0000      61.1158      13.6607      186.6141   (    95)
   AREA                   11.   NE LARGE                 62.0000      62.0000            0             0   (     1)
   AREA                   12.   NE MEDIUM               138.0000      69.0000       4.2426       18.0000   (     2)
   AREA                   13.   NE SMALL               1584.0000      56.5714      13.2425      175.3651   (    28)
   AREA                   21.   NCENT LARGE             162.0000      54.0000       6.0828       37.0000   (     3)
   AREA                   22.   NCENT MEDIUM            417.0000      69.5000      17.0382      290.3000   (     6)
   AREA                   24.   NCENT RURAL            1338.0000      74.3333       6.6332       44.0000   (    18)
   AREA                   31.   SOUTH LARGE            1189.0000      51.6957       9.3684       87.7668   (    23)
   AREA                   33.   SOUTH SMALL             662.0000      66.2000      13.7097      187.9556   (    10)
   AREA                   41.   WEST LARGE              183.0000      61.0000       6.0828       37.0000   (     3)
   AREA                   43.   WEST SMALL               71.0000      71.0000            0             0   (     1)

MOVES                      3.                           703.0000      70.3000       9.1658       84.0111   (    10)
   AREA                   13.   NE SMALL                 85.0000      85.0000            0             0   (     1)
```

A-1-27 (cont.)

```
 VARIABLE           CODE   VALUE LABEL             SUM        MEAN       STD DEV      VARIANCE        N

AREA                  22.  NCENT MEDIUM         61.0000     61.0000           0             0   (      1)
AREA                  24.  NCENT RURAL         431.0000     71.8333      7.9352       62.9667   (      6)
AREA                  33.  SOUTH SMALL         126.0000     63.0000      4.2426       18.0000   (      2)

TOTAL CASES =     1972
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE     VALUE LABEL               SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   60141.0000     30.4975     12.9336      167.2780   (  1972)

SCHOOLS                   1.                            44625.0000     30.4400     12.8544      165.2363   (  1466)
    AREA                 11.   NE LARGE                  3494.0000     26.8769     12.4272      154.4343   (   130)
    AREA                 12.   NE MEDIUM                 4157.0000     30.7926     13.4031      179.6432   (   135)
    AREA                 13.   NE SMALL                  1989.0000     31.0781     11.6432      135.5652   (    64)
    AREA                 21.   NCENT LARGE               5917.0000     30.9791     12.8947      166.2732   (   191)
    AREA                 22.   NCENT MEDIUM              6205.0000     30.8706     12.0151      144.3632   (   201)
    AREA                 24.   NCENT RURAL               4809.0000     36.4318     12.9043      166.5220   (   132)
    AREA                 31.   SOUTH LARGE               2469.0000     21.6579     10.7208      114.9350   (   114)
    AREA                 33.   SOUTH SMALL               1751.0000     31.8364     13.7272      188.4357   (    55)
    AREA                 34.   SOUTH RURAL               2255.0000     23.0102      9.6821       93.7422   (    98)
    AREA                 41.   WEST LARGE                2495.0000     35.1408     11.2913      127.4942   (    71)
    AREA                 42.   WEST MEDIUM               4687.0000     33.9638     12.5468      157.4220   (   138)
    AREA                 43.   WEST SMALL                2969.0000     28.5481     11.0136      121.2986   (   104)
    AREA                 44.   WEST RURAL                1428.0000     43.2727      8.0865       65.3920   (    33)

SCHOOLS                   2.                            13519.0000     30.5860     13.2869      176.5425   (   442)
    AREA                 11.   NE LARGE                   308.0000     25.6667     10.0574      101.1515   (    12)
    AREA                 12.   NE MEDIUM                 1291.0000     33.1026     16.1389      260.4629   (    39)
    AREA                 13.   NE SMALL                  1899.0000     33.3158     12.8718      165.6842   (    57)
    AREA                 21.   NCENT LARGE               1002.0000     29.4706     11.8148      139.5900   (    34)
    AREA                 22.   NCENT MEDIUM              1072.0000     34.5806     13.1245      172.2516   (    31)
    AREA                 24.   NCENT RURAL               3115.0000     34.2308     13.4702      181.4462   (    91)
    AREA                 31.   SOUTH LARGE                727.0000     19.1316     10.6572      113.5768   (    38)
    AREA                 33.   SOUTH SMALL               1262.0000     30.0476     12.5133      156.5830   (    42)
    AREA                 34.   SOUTH RURAL                215.0000     21.5000      6.8354       46.7222   (    10)
    AREA                 41.   WEST LARGE                 767.0000     27.3929     10.3363      106.8399   (    28)
    AREA                 42.   WEST MEDIUM                817.0000     27.2333     10.2845      105.7713   (    30)
    AREA                 43.   WEST SMALL                 360.0000     25.7143      9.3433       87.2967   (    14)
    AREA                 44.   WEST RURAL                 684.0000     42.7500      9.9298       98.6000   (    16)

SCHOOLS                   3.                             1795.0000     30.4237     11.9036      141.6967   (    59)
    AREA                 12.   NE MEDIUM                   42.0000     42.0000      0            0         (     1)
    AREA                 13.   NE SMALL                   819.0000     28.2414     10.2875      105.8325   (    29)
    AREA                 21.   NCENT LARGE                 32.0000     32.0000      0            0         (     1)
    AREA                 22.   NCENT MEDIUM                79.0000     39.5000      3.5355       12.5000   (     2)
    AREA                 24.   NCENT RURAL                521.0000     40.0769     13.1115      171.9103   (    13)
    AREA                 31.   SOUTH LARGE                106.0000     21.2000     10.3779      107.7000   (     5)
    AREA                 33.   SOUTH SMALL                163.0000     23.2857      7.1813       51.5714   (     7)
    AREA                 41.   WEST LARGE                  33.0000     33.0000      0            0         (     1)

SCHOOLS                   4.                              202.0000     40.4000     16.2880      265.3000   (     5)
    AREA                 24.   NCENT RURAL                202.0000     40.4000     16.2880      265.3000   (     5)
```

A-1-28 (cont.)

```
                                                                    08/07/76      PAGE   41
REDO APPENDIX TABLES
PRE-POST DATA CASES--FALL WRAT AND THIRD GRADE DATA

  TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -

CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE     VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                   116287.0000       58.9691       13.3236       177.5186    (  1972)

SCHOOLS                    1.                            85961.0000       58.6364       12.8470       165.0466    (  1466)
  AREA                    11.   NE LARGE                  7318.0000       56.2923       11.3973       129.8984    (   130)
  AREA                    12.   NE MEDIUM                 7933.0000       58.7630       12.3059       151.4359    (   135)
  AREA                    13.   NE SMALL                  4072.0000       63.6250       13.6353       185.9206    (    64)
  AREA                    21.   NCENT LARGE              10649.0000       55.7539       13.4453       180.7760    (   191)
  AREA                    22.   NCENT MEDIUM             12244.0000       60.9154       10.9790       120.5378    (   201)
  AREA                    24.   NCENT RURAL               8837.0000       66.9470       10.7436       115.4246    (   132)
  AREA                    31.   SOUTH LARGE               5507.0000       48.3070       11.7580       138.2500    (   114)
  AREA                    33.   SOUTH SMALL               3627.0000       65.9455       11.5477       133.3488    (    55)
  AREA                    34.   SOUTH RURAL               5240.0000       53.4694        8.6730        75.2207    (    98)
  AREA                    41.   WEST LARGE                4096.0000       57.6901       10.7870       116.3598    (    71)
  AREA                    42.   WEST MEDIUM               8442.0000       61.1739       12.6040       158.8600    (   138)
  AREA                    43.   WEST SMALL                5520.0000       53.0769       10.2139       104.3241    (   104)
  AREA                    44.   WEST RURAL                2476.0000       75.0303       10.9985       120.9678    (    33)

SCHOOLS                    2.                            26383.0000       59.6900       14.5520       211.7609    (   442)
  AREA                    11.   NE LARGE                   634.0000       52.8333        7.4325        55.2424    (    12)
  AREA                    12.   NE MEDIUM                 2361.0000       60.5385       16.1764       261.6761    (    39)
  AREA                    13.   NE SMALL                  3605.0000       63.2456       13.2480       175.5100    (    57)
  AREA                    21.   NCENT LARGE               1867.0000       54.9118       13.6212       185.5374    (    34)
  AREA                    22.   NCENT MEDIUM              1902.0000       61.3548       17.9695       322.9032    (    31)
  AREA                    24.   NCENT RURAL               6129.0000       67.3516       13.5822       184.4750    (    91)
  AREA                    31.   SOUTH LARGE               1801.0000       47.3947       10.4197       108.5697    (    38)
  AREA                    33.   SOUTH SMALL               2614.0000       62.2381       11.3799       129.5029    (    42)
  AREA                    34.   SOUTH RURAL                487.0000       48.7000        9.2502        85.5667    (    10)
  AREA                    41.   WEST LARGE                1327.0000       47.3929       11.1400       124.0992    (    28)
  AREA                    42.   WEST MEDIUM               1786.0000       59.5333        9.7865        95.7747    (    30)
  AREA                    43.   WEST SMALL                 764.0000       54.5714       13.3746       178.8791    (    14)
  AREA                    44.   WEST RURAL                1106.0000       69.1250        9.2223        85.0500    (    16)

SCHOOLS                    3.                             3593.0000       60.8983       14.9201       222.6102    (    59)
  AREA                    12.   NE MEDIUM                   81.0000       81.0000             0              0    (     1)
  AREA                    13.   NE SMALL                  1608.0000       55.4483       15.5416       241.5419    (    29)
  AREA                    21.   NCENT LARGE                 65.0000       65.0000             0              0    (     1)
  AREA                    22.   NCENT MEDIUM               113.0000       56.5000        6.3640        40.5000    (     2)
  AREA                    24.   NCENT RURAL                970.0000       74.6154        9.6569        93.2564    (    13)
  AREA                    31.   SOUTH LARGE                291.0000       58.2000        8.5849        73.7000    (     5)
  AREA                    33.   SOUTH SMALL                413.0000       59.0000       11.4455       131.0000    (     7)
  AREA                    41.   WEST LARGE                  52.0000       52.0000             0              0    (     1)

SCHOOLS                    4.                              350.0000       70.0000       12.0208       144.5000    (     5)
  AREA                    24.   NCENT RURAL                350.0000       70.0000       12.0208       144.5000    (     5)
```

```
REDO APPENDIX TABLES                                                        08/07/76      PAGE   60
PRE-POST DATA CASES--FALL WRAT AND THIRD GRADE DATA

  TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE                 CODE     VALUE LABEL                  SUM             MEAN        STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                         126786.0000         64.2931        13.0763        170.9907    (  1972)

SCHOOLS                        1.                              93821.0000         63.9980        12.8649        165.5065    (  1466)
   AREA                       11.   NE LARGE                    8016.0000         61.6615        11.8148        139.5900    (   130)
   AREA                       12.   NE MEDIUM                   8828.0000         65.3976        14.1041        198.9268    (   135)
   AREA                       13.   NE SMALL                    4229.0000         66.0781        13.8338        191.3748    (    64)
   AREA                       21.   NCENT LARGE                11613.0000         60.8010        12.2587        150.2760    (   191)
   AREA                       22.   NCENT MEDIUM               13550.0000         67.4129        10.8763        118.2936    (   201)
   AREA                       24.   NCENT RURAL                 9565.0000         72.4621        10.7380        115.3039    (   132)
   AREA                       31.   SOUTH LARGE                 6239.0000         54.7281        10.3849        107.8458    (   114)
   AREA                       33.   SOUTH SMALL                 4056.0000         73.7455        11.4102        130.1933    (    55)
   AREA                       34.   SOUTH RURAL                 5849.0000         59.6837        10.4621        109.4556    (    98)
   AREA                       41.   WEST LARGE                  4381.0000         61.7042        11.1232        123.7256    (    71)
   AREA                       42.   WEST MEDIUM                 8837.0000         64.0362        13.2684        176.0498    (   138)
   AREA                       43.   WEST SMALL                  6050.0000         58.1731        10.3083        106.2610    (   104)
   AREA                       44.   WEST RURAL                  2608.0000         79.0303         7.2132         52.0303    (    33)

SCHOOLS                        2.                              28910.0000         65.4072        13.7497        189.0537    (   442)
   AREA                       11.   NE LARGE                     679.0000         56.5833        11.2933        127.5379    (    12)
   AREA                       12.   NE MEDIUM                   2651.0000         67.9744        14.5828        212.6572    (    39)
   AREA                       13.   NE SMALL                    3837.0000         67.3158        12.5501        157.5056    (    57)
   AREA                       21.   NCENT LARGE                 2013.0000         59.2059        11.3825        129.5624    (    34)
   AREA                       22.   NCENT MEDIUM                2110.0000         68.0645        15.7838        249.1290    (    31)
   AREA                       24.   NCENT RURAL                 6713.0000         73.7692        10.7910        116.4462    (    91)
   AREA                       31.   SOUTH LARGE                 1972.0000         51.8947         9.1852         84.3670    (    38)
   AREA                       33.   SOUTH SMALL                 2866.0000         68.2381        11.8462        140.3322    (    42)
   AREA                       34.   SOUTH RURAL                  562.0000         56.2000        11.1736        124.8444    (    10)
   AREA                       41.   WEST LARGE                  1534.0000         54.7857         8.9747         80.5450    (    28)
   AREA                       42.   WEST MEDIUM                 1923.0000         64.1000        12.3018        151.3345    (    30)
   AREA                       43.   WEST SMALL                   840.0000         60.0000        13.7561        189.2308    (    14)
   AREA                       44.   WEST RURAL                  1210.0000         75.6250         8.6246         74.3833    (    16)

SCHOOLS                        3.                               3698.0000         62.6780        12.9926        168.8083    (    59)
   AREA                       12.   NE MEDIUM                     72.0000         72.0000              0               0    (     1)
   AREA                       13.   NE SMALL                    1669.0000         57.5517        14.0346        196.9704    (    29)
   AREA                       21.   NCENT LARGE                   50.0000         50.0000              0               0    (     1)
   AREA                       22.   NCENT MEDIUM                 131.0000         65.5000         6.3640         40.5000    (     2)
   AREA                       24.   NCENT RURAL                  968.0000         74.4615         5.3481         28.6026    (    13)
   AREA                       31.   SOUTH LARGE                  302.0000         60.4000        13.5757        184.3000    (     5)
   AREA                       33.   SOUTH SMALL                  449.0000         64.1429         6.4660         41.8095    (     7)
   AREA                       41.   WEST LARGE                    57.0000         57.0000              0               0    (     1)

SCHOOLS                        4.                                357.0000         71.4000         8.7920         77.3000    (     5)
   AREA                       24.   NCENT RURAL                  357.0000         71.4000         8.7920         77.3000    (     5)
```

A-1-30 (cont.)

```
REDO APPENDIX TABLES                                                                    08/07/76     PAGE  79
PRE-POST DATA CASES--FALL WRAT AND THIRD GRADE DATA

  TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                    60141.0000       30.4975       12.9336       167.2780    (  1972)

ECONSTAT                    1.  10K-, BELOW POVERTY      17918.0000       25.6338       10.9368       119.6135    (   699)
   AREA                    11.  NE LARGE                  1673.0000       24.6029       11.8865       141.2878    (    68)
   AREA                    12.  NE MEDIUM                 1591.0000       26.0820       10.4248       108.6765    (    61)
   AREA                    13.  NE SMALL                   696.0000       26.7692       11.4063       130.1046    (    26)
   AREA                    21.  NCENT LARGE               3184.0000       27.6870       10.4103       108.3748    (   115)
   AREA                    22.  NCENT MEDIUM              1341.0000       25.7885       10.2256       104.5822    (    52)
   AREA                    24.  NCENT RURAL               1158.0000       26.3182       12.5620       157.8034    (    44)
   AREA                    31.  SOUTH LARGE               1861.0000       20.6778       10.0122       100.2433    (    90)
   AREA                    33.  SOUTH SMALL                562.0000       21.6154        8.1686        66.7262    (    26)
   AREA                    34.  SOUTH RURAL               1229.0000       21.1897        8.9118        79.4195    (    58)
   AREA                    41.  WEST LARGE                1660.0000       31.3208       10.5553       111.4144    (    53)
   AREA                    42.  WEST MEDIUM               1648.0000       29.4286       10.7380       115.3039    (    56)
   AREA                    43.  WEST SMALL                1182.0000       25.1489        9.8598        97.2165    (    47)
   AREA                    44.  WEST RURAL                 133.0000       44.3333        6.0277        36.3333    (     3)

ECONSTAT                    2.  10K-, ABOVE POVERTY      27990.0000       31.7707       12.7170       161.7224    (   881)
   AREA                    11.  NE LARGE                  1601.0000       27.6034       11.7353       137.7172    (    58)
   AREA                    12.  NE MEDIUM                 2668.0000       32.5366       14.7884       218.6962    (    82)
   AREA                    13.  NE SMALL                  2388.0000       29.8500       10.7704       116.0025    (    80)
   AREA                    21.  NCENT LARGE               1979.0000       29.9848       11.8159       139.6152    (    66)
   AREA                    22.  NCENT MEDIUM              4060.0000       33.0081       12.1348       147.2540    (   123)
   AREA                    24.  NCENT RURAL               4817.0000       36.4924       11.6183       134.9847    (   132)
   AREA                    31.  SOUTH LARGE               1207.0000       21.5536       12.0769       145.8516    (    56)
   AREA                    33.  SOUTH SMALL               1673.0000       33.4600       12.6058       158.9065    (    50)
   AREA                    34.  SOUTH RURAL               1034.0000       24.6190       10.1836       103.7059    (    42)
   AREA                    41.  WEST LARGE                1124.0000       33.1176       12.5427       157.3191    (    34)
   AREA                    42.  WEST MEDIUM               2772.0000       34.6500       12.9655       168.1038    (    80)
   AREA                    43.  WEST SMALL                1617.0000       30.5094       10.8302       117.2932    (    53)
   AREA                    44.  WEST RURAL                1048.0000       41.9200        9.1739        84.1600    (    25)

ECONSTAT                    4.  10K+, ABOVE POVERTY      14233.0000       36.3087       13.6355       185.9275    (   392)
   AREA                    11.  NE LARGE                   528.0000       33.0000       13.5499       183.6000    (    16)
   AREA                    12.  NE MEDIUM                 1231.0000       38.4688       14.5690       212.2571    (    32)
   AREA                    13.  NE SMALL                  1623.0000       36.8864       12.5721       158.0546    (    44)
   AREA                    21.  NCENT LARGE               1788.0000       39.7333       15.1409       229.2455    (    45)
   AREA                    22.  NCENT MEDIUM              1955.0000       33.1356       12.5416       157.2916    (    59)
   AREA                    24.  NCENT RURAL               2672.0000       41.1077       13.4456       180.7851    (    65)
   AREA                    31.  SOUTH LARGE                234.0000       21.2727        9.1224        83.2182    (    11)
   AREA                    33.  SOUTH SMALL                941.0000       33.6071       13.8252       191.1362    (    28)
   AREA                    34.  SOUTH RURAL                207.0000       25.8750        7.4726        55.8393    (     8)
   AREA                    41.  WEST LARGE                 509.0000       39.1538       10.7537       115.6410    (    13)
   AREA                    42.  WEST MEDIUM               1084.0000       33.8750       12.9285       167.1452    (    32)
```

A-1-31 (cont.)

```
  VARIABLE            CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

 AREA                   43.  WEST SMALL              530.0000       29.4444       11.9027      141.6732   (   18)
 AREA                   44.  WEST RURAL              931.0000       44.3333        8.3984       70.5333   (   21)
TOTAL CASES =    1972
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL                  SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  116287.0000       58.9691      13.3236     177.5186    (  1972)

ECONSTAT                  1.   10K-, BELOW POVERTY    36678.0000       52.4721      11.3418     128.6364    (   699)
   AREA                  11.   NE LARGE                3699.0000       54.3971      11.3389     128.5713    (    68)
   AREA                  12.   NE MEDIUM               3197.0000       52.4098      12.0075     144.1792    (    61)
   AREA                  13.   NE SMALL                1374.0000       52.8462      12.4730     155.5754    (    26)
   AREA                  21.   NCENT LARGE             5863.0000       50.9826      11.0088     121.1927    (   115)
   AREA                  22.   NCENT MEDIUM            2880.0000       55.3846       8.3223      69.2609    (    52)
   AREA                  24.   NCENT RURAL             2638.0000       59.9545      11.7215     137.3932    (    44)
   AREA                  31.   SOUTH LARGE             4181.0000       46.4556      11.6186     134.9924    (    90)
   AREA                  33.   SOUTH SMALL             1406.0000       54.0769      11.0487     122.0738    (    26)
   AREA                  34.   SOUTH RURAL             2950.0000       50.8621       9.1928      84.5070    (    58)
   AREA                  41.   WEST LARGE              2737.0000       51.6415      10.8381     117.4652    (    53)
   AREA                  42.   WEST MEDIUM             3068.0000       54.7857       8.3660      69.9896    (    56)
   AREA                  43.   WEST SMALL              2450.0000       52.1277      11.6444     135.5920    (    47)
   AREA                  44.   WEST RURAL               235.0000       78.3333       5.5076      30.3333    (     3)

ECONSTAT                  2.   10K-, ABOVE POVERTY    53574.0000       60.8104      12.5537     157.5947    (   881)
   AREA                  11.   NE LARGE                3232.0000       55.7241       9.1609      83.9226    (    58)
   AREA                  12.   NE MEDIUM               5074.0000       61.8780      12.6055     158.8985    (    82)
   AREA                  13.   NE SMALL                4817.0000       60.2125      11.9659     143.1821    (    80)
   AREA                  21.   NCENT LARGE             3777.0000       57.2273      13.3967     179.4746    (    66)
   AREA                  22.   NCENT MEDIUM            7573.0000       61.5691      11.5227     132.7718    (   123)
   AREA                  24.   NCENT RURAL             9092.0000       68.8788      11.5038     132.3363    (   132)
   AREA                  31.   SOUTH LARGE             2838.0000       50.6786      10.0002     100.0039    (    56)
   AREA                  33.   SOUTH SMALL             3309.0000       66.1800      10.6879     114.2322    (    50)
   AREA                  34.   SOUTH RURAL             2337.0000       55.6429       7.9321      62.9181    (    42)
   AREA                  41.   WEST LARGE              1926.0000       56.6471      12.0853     146.0535    (    34)
   AREA                  42.   WEST MEDIUM             5070.0000       63.3750      12.4965     156.1616    (    80)
   AREA                  43.   WEST SMALL              2783.0000       52.5094       9.5285      90.7932    (    53)
   AREA                  44.   WEST RURAL              1746.0000       69.8400      10.6289     112.9733    (    25)

ECONSTAT                  4.   10K+, ABOVE POVERTY    26035.0000       66.4158      13.1086     171.8343    (   392)
   AREA                  11.   NE LARGE                1021.0000       63.8125      14.0058     196.1625    (    16)
   AREA                  12.   NE MEDIUM               2104.0000       65.7500      12.0643     145.5484    (    32)
   AREA                  13.   NE SMALL                3094.0000       70.3182      14.5694     212.2685    (    44)
   AREA                  21.   NCENT LARGE             2941.0000       65.3556      13.6418     186.0988    (    45)
   AREA                  22.   NCENT MEDIUM            3806.0000       64.5085      14.2301     202.4956    (    59)
   AREA                  24.   NCENT RURAL             4556.0000       70.0923      10.9797     120.5538    (    65)
   AREA                  31.   SOUTH LARGE              580.0000       52.7273      14.6989     216.2182    (    11)
   AREA                  33.   SOUTH SMALL             1939.0000       69.2500       7.6769      58.9352    (    28)
   AREA                  34.   SOUTH RURAL              440.0000       55.0000       6.3920      40.8571    (     8)
   AREA                  41.   WEST LARGE               812.0000       62.4615      10.3972     108.1026    (    13)
   AREA                  42.   WEST MEDIUM             2090.0000       65.3125      12.9780     168.2218    (    32)
```

A-1-32 (cont.)

```
                                                                                      PAGE   62

  VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV       VARIANCE        N

 AREA                    43.  WEST SMALL              1051.0000       58.3889        9.6292        92.7222  (     18)
 AREA                    44.  WEST RURAL              1601.0000       76.2381       10.4781       109.7905  (     21)

TOTAL CASES =    1972
```

A-1-33

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB     STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY    ECONSTAT    INCOME AND POVERTY LEVEL
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                CODE      VALUE LABEL                   SUM          MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                           126786.0000      64.2931      13.0763       170.9907   (  1972)

ECONSTAT                       1.   10K-, BELOW POVERTY          41129.0000      58.8398      11.4312       130.6734   (   699)
   AREA                       11.   NE LARGE                      4097.0000      60.2500      11.9156       141.9813   (    68)
   AREA                       12.   NE MEDIUM                     3584.0000      58.7541      12.6051       158.8885   (    61)
   AREA                       13.   NE SMALL                      1442.0000      55.4615      10.3893       107.9385   (    26)
   AREA                       21.   NCENT LARGE                   6701.0000      58.2696      10.0283       100.5670   (   115)
   AREA                       22.   NCENT MEDIUM                  3318.0000      63.8077      10.9938       120.8643   (    52)
   AREA                       24.   NCENT RURAL                   3008.0000      68.3636      11.4203       130.4228   (    44)
   AREA                       31.   SOUTH LARGE                   4807.0000      53.4111      10.3380       106.8740   (    90)
   AREA                       33.   SOUTH SMALL                   1616.0000      62.1538       8.5823        73.6554   (    26)
   AREA                       34.   SOUTH RURAL                   3352.0000      57.7931      10.5178       110.6231   (    58)
   AREA                       41.   WEST LARGE                    3041.0000      57.3774       9.1446        83.6241   (    53)
   AREA                       42.   WEST MEDIUM                   3175.0000      56.6964      12.4321       154.5562   (    56)
   AREA                       43.   WEST SMALL                    2749.0000      58.4894      10.6033       112.4292   (    47)
   AREA                       44.   WEST RURAL                     239.0000      79.6667       8.0208        64.3333   (     3)

ECONSTAT                       2.   10K-, ABOVE POVERTY          58051.0000      65.8922      12.6321       159.5690   (   881)
   AREA                       11.   NE LARGE                      3589.0000      61.8793      10.9145       119.1255   (    58)
   AREA                       12.   NE MEDIUM                     5641.0000      68.7927      13.2374       175.2281   (    82)
   AREA                       13.   NE SMALL                      5159.0000      64.4875      12.4940       156.1011   (    80)
   AREA                       21.   NCENT LARGE                   3894.0000      59.0000      12.1845       148.4615   (    66)
   AREA                       22.   NCENT MEDIUM                  8347.0000      67.8618      11.0893       122.9725   (   123)
   AREA                       24.   NCENT RURAL                   9688.0000      73.3939       9.9593        99.1871   (   132)
   AREA                       31.   SOUTH LARGE                   3067.0000      54.7679       9.8553        97.1269   (    56)
   AREA                       33.   SOUTH SMALL                   3665.0000      73.3000      11.6553       135.8469   (    50)
   AREA                       34.   SOUTH RURAL                   2535.0000      60.3571      10.7722       116.0401   (    42)
   AREA                       41.   WEST LARGE                    2114.0000      62.1765      12.1118       146.6952   (    34)
   AREA                       42.   WEST MEDIUM                   5366.0000      67.0756      11.8437       140.2728   (    80)
   AREA                       43.   WEST SMALL                    3093.0000      58.3585      10.3350       106.8113   (    53)
   AREA                       44.   WEST RURAL                    1893.0000      75.7200       7.7434        59.9600   (    25)

ECONSTAT                       4.   10K+, ABOVE POVERTY          27606.0000      70.4235      13.1507       172.9404   (   392)
   AREA                       11.   NE LARGE                      1009.0000      63.0625      14.7127       216.4625   (    16)
   AREA                       12.   NE MEDIUM                     2326.0000      72.6875      13.8830       192.7379   (    32)
   AREA                       13.   NE SMALL                      3134.0000      71.2273      14.6730       215.2960   (    44)
   AREA                       21.   NCENT LARGE                   3081.0000      68.4667      13.7520       189.1182   (    45)
   AREA                       22.   NCENT MEDIUM                  4126.0000      69.9322      12.4234       154.3402   (    59)
   AREA                       24.   NCENT RURAL                   4907.0000      75.4923       9.9986        99.9726   (    65)
   AREA                       31.   SOUTH LARGE                    639.0000      58.0909      11.7342       137.6909   (    11)
   AREA                       33.   SOUTH SMALL                   2090.0000      74.6429      10.4180       108.5344   (    28)
   AREA                       34.   SOUTH RURAL                    524.0000      65.5000       6.5683        43.1429   (     8)
   AREA                       41.   WEST LARGE                     817.0000      62.8462      12.8831       165.9744   (    13)
   AREA                       42.   WEST MEDIUM                   2219.0000      69.3438      11.7380       137.7813   (    32)
```

369

370

A-1-33 (cont.)

```
 VARIABLE            CODE     VALUE LABEL              SUM          MEAN        STD DEV       VARIANCE        N

AREA                  43.  WEST SMALL          1048.0000       58.2222       12.6470      159.9477   (     18)
AREA                  44.  WEST RURAL          1686.0000       80.2857        7.3834       54.5143   (     21)

TOTAL CASES =     1972
```

A-2-34

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
    BROKEN DOWN BY   POVERTY   STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM           MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     146374.0000       28.7741       13.0788       171.0542    ( 5087)

POVERTY                      1.   BELOW                    50737.0000       24.4398       11.1698       124.7641    ( 2076)
   AREA                     11.   NE LARGE                  6491.0000       24.4943       11.6545       135.8267    (  265)
   AREA                     12.   NE MEDIUM                 4009.0000       22.6497       10.2553       105.3766    (  177)
   AREA                     13.   NE SMALL                  1677.0000       24.6618       10.6219       112.8242    (   68)
   AREA                     21.   NCENT LARGE              10126.0000       26.0979       10.9823       120.6105    (  388)
   AREA                     22.   NCENT MEDIUM              4316.0000       25.5385       11.3069       127.8452    (  169)
   AREA                     24.   NCENT RURAL               2162.0000       22.5208       11.7491       138.0417    (   96)
   AREA                     31.   SOUTH LARGE               4955.0000       20.3909        9.6723        93.5531    (  243)
   AREA                     33.   SOUTH SMALL                917.0000       19.1042        9.1889        84.4357    (   48)
   AREA                     34.   SOUTH RURAL               1850.0000       20.5556       10.0874       101.7553    (   90)
   AREA                     41.   WEST LARGE                6296.0000       29.0138       11.1586       124.5137    (  217)
   AREA                     42.   WEST MEDIUM               4182.0000       26.1375       11.2101       125.6665    (  160)
   AREA                     43.   WEST SMALL                3391.0000       23.5486       10.8736       118.2354    (  144)
   AREA                     44.   WEST RURAL                 365.0000       33.1818       11.6002       134.5636    (   11)

POVERTY                      2.   ABOVE                    95637.0000       31.7625       13.4585       181.1313    ( 3011)
   AREA                     11.   NE LARGE                  9628.0000       30.5651       13.0171       169.4440    (  315)
   AREA                     12.   NE MEDIUM                 9121.0000       31.7805       13.5170       182.7106    (  287)
   AREA                     13.   NE SMALL                  7447.0000       31.1590       14.2002       201.6469    (  239)
   AREA                     21.   NCENT LARGE              11704.0000       31.4624       13.7147       188.0929    (  372)
   AREA                     22.   NCENT MEDIUM             13547.0000       32.7222       13.2394       175.2818    (  414)
   AREA                     24.   NCENT RURAL              10447.0000       35.6553       13.6821       187.1993    (  293)
   AREA                     31.   SOUTH LARGE               3686.0000       22.8944       12.5253       156.8825    (  161)
   AREA                     33.   SOUTH SMALL               4166.0000       30.4088       13.2302       175.0376    (  137)
   AREA                     34.   SOUTH RURAL               1840.0000       24.8649       10.5445       111.1870    (   74)
   AREA                     41.   WEST LARGE                6911.0000       34.0443       12.4659       155.3990    (  203)
   AREA                     42.   WEST MEDIUM               8142.0000       33.2327       12.8068       164.0153    (  245)
   AREA                     43.   WEST SMALL                5351.0000       29.8939       12.1158       146.7920    (  179)
   AREA                     44.   WEST RURAL                3647.0000       39.6413       10.7954       116.5403    (   92)

  TOTAL CASES =    5087
```

ENTRY LEVEL GROUP

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW         FALL KIND WRAT TOTAL
   BROKEN DOWN BY    MOTHERED    MOTHER EDUCATION
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE     VALUE LABEL                       SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     146374.0000       28.7741       13.0788      171.0542    ( 5087)

MOTHERED               -97.                                 5684.0000       25.9543       11.9086      141.8144    (  219)
   AREA                 11.   NE LARGE                       789.0000       22.5429       10.1904      103.8437    (   35)
   AREA                 12.   NE MEDIUM                      506.0000       25.3000       12.6245      159.3789    (   20)
   AREA                 13.   NE SMALL                       234.0000       26.0000       13.0767      171.0000    (    9)
   AREA                 21.   NCENT LARGE                   1233.0000       26.2340       11.0968      123.1397    (   47)
   AREA                 22.   NCENT MEDIUM                   402.0000       26.8000       14.6102      213.4571    (   15)
   AREA                 24.   NCENT RURAL                    279.0000       27.9000        8.0340       64.5444    (   10)
   AREA                 31.   SOUTH LARGE                    592.0000       23.6800       11.7641      138.3933    (   25)
   AREA                 33.   SOUTH SMALL                     63.0000       21.0000       11.7898      139.0000    (    3)
   AREA                 34.   SOUTH RURAL                     97.0000       19.4000       12.4419      154.8000    (    5)
   AREA                 41.   WEST LARGE                     793.0000       31.7200       11.8797      141.1267    (   25)
   AREA                 42.   WEST MEDIUM                    216.0000       21.6000        8.5920       73.8222    (   10)
   AREA                 43.   WEST SMALL                     434.0000       31.0000       14.7283      216.9231    (   14)
   AREA                 44.   WEST RURAL                      46.0000       46.0000        0            0          (    1)

MOTHERED                 1.   HIGH SCHOOL INCOMPLE         58819.0000       24.8181       11.6835      136.5034    ( 2370)
   AREA                 11.   NE LARGE                      8215.0000       26.6721       12.7843      163.4393    (  308)
   AREA                 12.   NE MEDIUM                     5533.0000       24.0565       11.7366      137.7479    (  230)
   AREA                 13.   NE SMALL                      2206.0000       23.4681       10.8694      118.1441    (   94)
   AREA                 21.   NCENT LARGE                  10369.0000       25.7295       10.9175      119.1928    (  403)
   AREA                 22.   NCENT MEDIUM                  6051.0000       24.9012       11.2481      126.5191    (  243)
   AREA                 24.   NCENT RURAL                   3136.0000       23.7576       13.1097      171.8644    (  132)
   AREA                 31.   SOUTH LARGE                   4665.0000       20.1078        9.6237       92.6160    (  232)
   AREA                 33.   SOUTH SMALL                   1407.0000       19.8169       10.4010      108.1803    (   71)
   AREA                 34.   SOUTH RURAL                   2102.0000       20.4078       10.3084      106.2635    (  103)
   AREA                 41.   WEST LARGE                    6065.0000       29.8768       11.9043      141.7125    (  203)
   AREA                 42.   WEST MEDIUM                   4468.0000       27.0788       11.6310      135.2803    (  165)
   AREA                 43.   WEST SMALL                    4216.0000       24.2299       10.9489      119.8775    (  174)
   AREA                 44.   WEST RURAL                     386.0000       32.1667        8.2223       67.6061    (   12)

MOTHERED                 2.   HIGH SCHOOL COMPLETE         81871.0000       32.7746       13.2273      174.9620    ( 2498)
   AREA                 11.   NE LARGE                      7115.0000       30.0211       12.7114      161.5801    (  237)
   AREA                 12.   NE MEDIUM                     7091.0000       33.1355       13.0062      169.1600    (  214)
   AREA                 13.   NE SMALL                      6684.0000       32.7647       13.9917      195.7670    (  204)
   AREA                 21.   NCENT LARGE                  10228.0000       32.9935       13.7932      190.2524    (  310)
   AREA                 22.   NCENT MEDIUM                 11410.0000       35.1077       12.6375      159.7075    (  325)
   AREA                 24.   NCENT RURAL                   9194.0000       37.2227       12.9647      168.0844    (  247)
   AREA                 31.   SOUTH LARGE                   3384.0000       23.0204       12.4771      155.6777    (  147)
   AREA                 33.   SOUTH SMALL                   3613.0000       32.5495       12.5472      157.4316    (  111)
   AREA                 34.   SOUTH RURAL                   1491.0000       26.6250        9.5509       91.2205    (   56)
   AREA                 41.   WEST LARGE                    6349.0000       33.0677       12.0904      146.1786    (  192)
   AREA                 42.   WEST MEDIUM                   7640.0000       33.2174       12.8143      164.2058    (  230)
```

```
                                                                                              PAGE    7
                                                 A-2-35 (cont.)

  VARIABLE               CODE    VALUE LABEL                  SUM         MEAN       STD DEV      VARIANCE        N

 AREA                      43.  WEST SMALL               4092.0000      30.3111      12.1105      146.6637    (   135)
 AREA                      44.  WEST RURAL               3580.0000      39.7778      11.0939      123.0737    (    90)

TOTAL CASES =    5087
```

A-2-36

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW      FALL KIND WRAT TOTAL
   BROKEN DOWN BY    FHOH     FEMALE HEAD OF HOUSEHOLD
               BY    AREA     REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                SUM            MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                   146374.0000        28.7741        13.0788       171.0542    ( 5087)

FHOH                        1.  YES                      39578.0000        25.7837        11.6285       135.2231    ( 1535)
   AREA                    11.  NE LARGE                  6155.0000        25.4339        12.2250       149.4500    (  242)
   AREA                    12.  NE MEDIUM                 3101.0000        22.4710         9.5139        90.5138    (  138)
   AREA                    13.  NE SMALL                  1436.0000        26.5926        12.2128       149.1516    (   54)
   AREA                    21.  NCENT LARGE               9058.0000        26.2551        11.1266       123.8010    (  345)
   AREA                    22.  NCENT MEDIUM              3864.0000        26.1081        11.8345       140.0563    (  148)
   AREA                    24.  NCENT RURAL                646.0000        24.8462        13.3407       177.9754    (   26)
   AREA                    31.  SOUTH LARGE               4020.0000        20.7216         9.8088        96.2123    (  194)
   AREA                    33.  SOUTH SMALL                280.0000        23.3333         8.1835        66.9697    (   12)
   AREA                    34.  SOUTH RURAL                281.0000        21.6154         7.4893        56.0897    (   13)
   AREA                    41.  WEST LARGE                5415.0000        30.4213        11.3260       128.2791    (  178)
   AREA                    42.  WEST MEDIUM               3442.0000        29.4188        12.7660       162.9696    (  117)
   AREA                    43.  WEST SMALL                1600.0000        27.5862        11.8766       141.0538    (   58)
   AREA                    44.  WEST RURAL                 280.0000        28.0000        11.9257       142.2222    (   10)

FHOH                        2.  NO                      106796.0000        30.0664        13.4553       181.0449    ( 3552)
   AREA                    11.  NE LARGE                  9964.0000        29.4793        12.8957       166.2978    (  338)
   AREA                    12.  NE MEDIUM                10029.0000        30.7638        13.6844       187.2640    (  326)
   AREA                    13.  NE SMALL                  7688.0000        30.3874        13.9784       195.3970    (  253)
   AREA                    21.  NCENT LARGE              12772.0000        30.7759        13.5031       182.3337    (  415)
   AREA                    22.  NCENT MEDIUM             13999.0000        32.1816        13.1808       173.7342    (  435)
   AREA                    24.  NCENT RURAL              11963.0000        32.9559        14.3174       204.9870    (  363)
   AREA                    31.  SOUTH LARGE               4621.0000        22.0048        11.9033       141.6898    (  210)
   AREA                    33.  SOUTH SMALL               4803.0000        27.7630        13.5026       182.3214    (  173)
   AREA                    34.  SOUTH RURAL               3409.0000        22.5762        10.7216       114.9525    (  151)
   AREA                    41.  WEST LARGE                7792.0000        32.1983        12.5421       157.3049    (  242)
   AREA                    42.  WEST MEDIUM               8882.0000        30.8403        12.6327       159.5842    (  288)
   AREA                    43.  WEST SMALL                7142.0000        26.9509        12.0275       144.6685    (  265)
   AREA                    44.  WEST RURAL                3732.0000        40.1290        10.2959       106.0049    (   93)

  TOTAL CASES =     5087
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                   SUM            MEAN          STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                     146374.0000         28.7741        13.0788        171.0542    ( 5087)

PRESCHOL                    1.   HS OR HS + OTHER PS       35891.0000         27.4396        12.3492        152.5021    ( 1308)
   AREA                    11.   NE LARGE                   4698.0000         28.1317        12.0474        145.1292    (  167)
   AREA                    12.   NE MEDIUM                  1963.0000         23.3690        11.6224        135.0790    (   84)
   AREA                    13.   NE SMALL                    599.0000         23.9600        10.2204        104.4567    (   25)
   AREA                    21.   NCENT LARGE                8646.0000         28.6291        12.3213        151.8155    (  302)
   AREA                    22.   NCENT MEDIUM               3663.0000         30.2727        12.1134        146.7333    (  121)
   AREA                    24.   NCENT RURAL                3293.0000         27.2149        14.0477        197.3368    (  121)
   AREA                    31.   SOUTH LARGE                2892.0000         21.7444        11.3054        127.8129    (  133)
   AREA                    33.   SOUTH SMALL                 608.0000         26.4348        11.2445        126.4387    (   23)
   AREA                    34.   SOUTH RURAL                1000.0000         23.2558         9.7397         94.8616    (   43)
   AREA                    41.   WEST LARGE                 4238.0000         31.3926        12.0751        145.8074    (  135)
   AREA                    42.   WEST MEDIUM                2150.0000         28.2895        11.4191        130.3951    (   76)
   AREA                    43.   WEST SMALL                 2056.0000         27.4133        12.0091        144.2187    (   75)
   AREA                    44.   WEST RURAL                   85.0000         28.3333        15.1767        230.3333    (    3)

PRESCHOL                    3.   OTHER PRESCHOOL ONLY      24085.0000         32.5913        13.1500        172.9222    (  739)
   AREA                    11.   NE LARGE                   5374.0000         31.4269        14.0595        197.6696    (  171)
   AREA                    12.   NE MEDIUM                  1453.0000         33.0227        14.9767        224.3018    (   44)
   AREA                    13.   NE SMALL                    912.0000         31.4483        17.1685        294.7562    (   29)
   AREA                    21.   NCENT LARGE                2258.0000         33.7015        12.9393        167.4247    (   67)
   AREA                    22.   NCENT MEDIUM               2364.0000         33.2958        12.2304        149.5827    (   71)
   AREA                    24.   NCENT RURAL                 740.0000         37.0000        14.3747        206.6316    (   20)
   AREA                    31.   SOUTH LARGE                1550.0000         25.8333        10.9717        120.3785    (   60)
   AREA                    33.   SOUTH SMALL                 149.0000         37.2500        16.8992        285.5833    (    4)
   AREA                    34.   SOUTH RURAL                  87.0000         21.7500        14.4309        208.2500    (    4)
   AREA                    41.   WEST LARGE                 3924.0000         36.0000        11.7063        137.0370    (  109)
   AREA                    42.   WEST MEDIUM                2714.0000         32.3095        11.8403        140.1922    (   84)
   AREA                    43.   WEST SMALL                 1764.0000         31.5000        11.8260        139.8545    (   56)
   AREA                    44.   WEST RURAL                  796.0000         39.8000         8.8710         78.6947    (   20)

PRESCHOL                    4.   NONE                      86398.0000         28.4204        13.2006        174.2569    ( 3040)
   AREA                    11.   NE LARGE                   6047.0000         24.9876        11.6107        134.8090    (  242)
   AREA                    12.   NE MEDIUM                  9714.0000         28.9107        12.9203        166.9353    (  336)
   AREA                    13.   NE SMALL                   7613.0000         30.0909        13.5217        182.8369    (  253)
   AREA                    21.   NCENT LARGE               10926.0000         27.9437        12.7377        162.2481    (  391)
   AREA                    22.   NCENT MEDIUM              11836.0000         30.2711        13.5318        183.1109    (  391)
   AREA                    24.   NCENT RURAL                8576.0000         34.5806        13.9095        193.4753    (  248)
   AREA                    31.   SOUTH LARGE                4199.0000         19.9005        10.3980        108.1186    (  211)
   AREA                    33.   SOUTH SMALL                4326.0000         27.3797        13.4186        180.0587    (  158)
   AREA                    34.   SOUTH RURAL                2603.0000         22.2479        10.7012        114.5156    (  117)
   AREA                    41.   WEST LARGE                 5045.0000         28.6648        11.4591        131.3098    (  176)
   AREA                    42.   WEST MEDIUM                7460.0000         30.4490        13.2462        175.4615    (  245)
```

A-2-37 (cont.)

```
 VARIABLE            CODE   VALUE LABEL               SUM         MEAN       STD DEV      VARIANCE       N

AREA                  43.  WEST SMALL           4922.0000      25.6354       11.7528      138.1282    (   192)
AREA                  44.  WEST RURAL           3131.0000      39.1375       11.2787      127.2087    (    80)

TOTAL CASES =    5087
```

A-2-38

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                SUM           MEAN          STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                   146374,0000       28.7741        13.0780        171,0542   (  5087)

SEX                       -99.                             164,0000       32.8000        17.8941        320,2000   (     5)
   AREA                    11.   NE LARGE                   84,0000       42.0000        21.2132        450,0000   (     2)
   AREA                    13.   NE SMALL                   44,0000       44.0000              0               0   (     1)
   AREA                    21.   NCENT LARGE                36,0000       18.0000         9,8995         98,0000   (     2)

SEX                         1.   MALE                    72291,0000       27.4662        13.0393        170,0232   (  2632)
   AREA                    11.   NE LARGE                 7921,0000       26.3156        13,2566        175,7367   (   301)
   AREA                    12.   NE MEDIUM                6993.0000       27.8606        12,9368        167,3605   (   251)
   AREA                    13.   NE SMALL                 3982,0000       27.2740        12.8221        164,4072   (   146)
   AREA                    21.   NCENT LARGE             10716,0000       27.6899        12.4477        154,9451   (   387)
   AREA                    22.   NCENT MEDIUM             8999,0000       29.0290        13.4987        182,2160   (   310)
   AREA                    24.   NCENT RURAL              6221,0000       30.6453        14,1754        200,9429   (   203)
   AREA                    31.   SOUTH LARGE              3953,0000       18.8238        10.0397        100,7966   (   210)
   AREA                    33.   SOUTH SMALL              2311,0000       25.6778        13.7790        189,8613   (    90)
   AREA                    34.   SOUTH RURAL              1761,0000       20.9643        10.3731        107,6011   (    84)
   AREA                    41.   WEST LARGE               7158,0000       31.6726        12.7878        163,5279   (   226)
   AREA                    42.   WEST MEDIUM              5448,0000       28.8254        11.6137        134,8789   (   189)
   AREA                    43.   WEST SMALL               4684,0000       26.4633        11.6165        134,9432   (   177)
   AREA                    44.   WEST RURAL               2144,0000       36.9655        10,9832        120,6304   (    58)

SEX                         2.   FEMALE                  73919,0000       30.1710        12,9705        168,2341   (  2450)
   AREA                    11.   NE LARGE                 8114,0000       29.2924        11,9651        143,1642   (   277)
   AREA                    12.   NE MEDIUM                6137,0000       28.8122        13.3855        179,1721   (   213)
   AREA                    13.   NE SMALL                 5098,0000       31.8675        14.2164        202,1068   (   160)
   AREA                    21.   NCENT LARGE             11078,0000       29.8598        12,8289        164,5883   (   371)
   AREA                    22.   NCENT MEDIUM             8864,0000       32.4689        12.4322        154,5588   (   273)
   AREA                    24.   NCENT RURAL              6388,0000       34.3441        14,3944        207,1999   (   186)
   AREA                    31.   SOUTH LARGE              4688,0000       24.1649        11,2450        126,4493   (   194)
   AREA                    33.   SOUTH SMALL              2772,0000       29.1789        12,5698        157,9996   (    95)
   AREA                    34.   SOUTH RURAL              1929,0000       24.1125        10,4276        108,7340   (    80)
   AREA                    41.   WEST LARGE               6049,0000       31.1804        11.1793        124,9776   (   194)
   AREA                    42.   WEST MEDIUM              6876,0000       31.8333        13,3998        179,5535   (   216)
   AREA                    43.   WEST SMALL               4058,0000       27.7945        12,4174        154,1920   (   146)
   AREA                    44.   WEST RURAL               1868,0000       41.5111        10,6186        112,7556   (    45)

  TOTAL CASES =     5087
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                      146374.0000      28.7741      13.0788      171.0542    ( 5087)

AGE                        -99.                               477.0000      26.5000      11.9176      142.0294    (   18)
   AREA                     11.    NE LARGE                   183.0000      26.1429      12.1440      147.4762    (    7)
   AREA                     12.    NE MEDIUM                   38.0000      19.0000       9.8995       98.0000    (    2)
   AREA                     13.    NE SMALL                    44.0000      44.0000            0             0    (    1)
   AREA                     21.    NCENT LARGE                 52.0000      17.3333       8.0829       65.3333    (    3)
   AREA                     41.    WEST LARGE                  70.0000      35.0000      15.5563      242.0000    (    2)
   AREA                     42.    WEST MEDIUM                 32.0000      32.0000            0             0    (    1)
   AREA                     43.    WEST SMALL                  58.0000      29.0000      14.1421      200.0000    (    2)

AGE                          8.    FOUR                        16.0000      16.0000            0             0    (    1)
   AREA                     22.    NCENT MEDIUM                16.0000      16.0000            0             0    (    1)

AGE                          9.    FOUR AND ONE HALF          880.0000      25.8824      11.5359      133.0766    (   34)
   AREA                     11.    NE LARGE                   482.0000      24.1000      12.2856      150.9368    (   20)
   AREA                     12.    NE MEDIUM                  198.0000      28.2857      11.0108      121.2381    (    7)
   AREA                     13.    NE SMALL                   123.0000      30.7500      10.1448      102.9167    (    4)
   AREA                     21.    NCENT LARGE                 63.0000      31.5000       9.1924       84.5000    (    2)
   AREA                     22.    NCENT MEDIUM                14.0000      14.0000            0             0    (    1)

AGE                         10.    FIVE                     46604.0000      25.7908      12.2477      150.0072    ( 1807)
   AREA                     11.    NE LARGE                  7505.0000      25.9689      12.1553      147.7525    (  289)
   AREA                     12.    NE MEDIUM                 4918.0000      26.1596      11.5937      134.4129    (  188)
   AREA                     13.    NE SMALL                  3705.0000      28.0682      13.3005      176.9037    (  132)
   AREA                     21.    NCENT LARGE               5865.0000      25.8370      12.1759      148.2521    (  227)
   AREA                     22.    NCENT MEDIUM              4873.0000      27.0722      13.3651      178.6260    (  180)
   AREA                     24.    NCENT RURAL               2603.0000      27.6915      12.7634      162.9038    (   94)
   AREA                     31.    SOUTH LARGE               2977.0000      19.2065      10.6018      112.3987    (  155)
   AREA                     33.    SOUTH SMALL               1850.0000      22.2892      10.9828      120.6227    (   83)
   AREA                     34.    SOUTH RURAL               1293.0000      21.9153       8.2091       67.3892    (   59)
   AREA                     41.    WEST LARGE                4762.0000      28.6867      11.4912      132.0467    (  166)
   AREA                     42.    WEST MEDIUM               2730.0000      26.7647      11.8264      139.8649    (  102)
   AREA                     43.    WEST SMALL                2519.0000      23.9905      11.0554      122.2211    (  105)
   AREA                     44.    WEST RURAL                1004.0000      37.1852      12.9705      168.2336    (   27)

AGE                         11.    FIVE AND ONE HALF        70632.0000      29.4668      13.0805      171.0996    ( 2397)
   AREA                     11.    NE LARGE                  7764.0000      30.5669      13.1198      172.1279    (  254)
   AREA                     12.    NE MEDIUM                 7219.0000      30.4599      14.2307      202.5122    (  237)
   AREA                     13.    NE SMALL                  4194.0000      31.5338      14.5313      211.1598    (  133)
   AREA                     21.    NCENT LARGE              10170.0000      28.6479      11.9815      143.5565    (  355)
   AREA                     22.    NCENT MEDIUM              8541.0000      30.2872      12.3103      151.5435    (  282)
   AREA                     24.    NCENT RURAL               5423.0000      31.3468      14.6480      214.5651    (  173)
   AREA                     31.    SOUTH LARGE               4273.0000      21.9128      10.8684      118.1212    (  195)
```

A-2-39 (cont.)

```
VARIABLE            CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE       N

   AREA              33.  SOUTH SMALL            2739.0000      31.4828      13.8630      192.1828   (   87)
   AREA              34.  SOUTH RURAL            1518.0000      20.7945      11.2088      125.6377   (   73)
   AREA              41.  WEST LARGE             6602.0000      32.5222      12.0697      145.6765   (  203)
   AREA              42.  WEST MEDIUM            5912.0000      29.2673      12.2209      149.3511   (  202)
   AREA              43.  WEST SMALL             4602.0000      29.1266      12.1329      147.2060   (  158)
   AREA              44.  WEST RURAL             1675.0000      37.2222      11.3195      128.1313   (   45)

AGE                  12.  SIX                   25533.0000      33.8634      13.3453      178.0969   (  754)
   AREA              11.  NE LARGE                105.0000      17.5000       8.7350       76.3000   (    6)
   AREA              12.  NE MEDIUM               594.0000      24.7500      11.9282      142.2826   (   24)
   AREA              13.  NE SMALL                905.0000      29.1935      12.6765      160.6946   (   31)
   AREA              21.  NCENT LARGE            5202.0000      32.9241      13.8732      192.4655   (  158)
   AREA              22.  NCENT MEDIUM           4207.0000      37.5625      12.3184      151.7438   (  112)
   AREA              24.  NCENT RURAL            4232.0000      37.7857      13.5981      184.9086   (  112)
   AREA              31.  SOUTH LARGE            1073.0000      23.8444       9.8948       97.9071   (   45)
   AREA              33.  SOUTH SMALL             440.0000      33.8462      11.8662      140.8077   (   13)
   AREA              34.  SOUTH RURAL             857.0000      27.6452      11.4296      130.6366   (   31)
   AREA              41.  WEST LARGE             1588.0000      36.0909      12.1058      146.5497   (   44)
   AREA              42.  WEST MEDIUM            3508.0000      37.3191      12.1099      146.6497   (   94)
   AREA              43.  WEST SMALL             1489.0000      28.0943      12.0004      144.0102   (   53)
   AREA              44.  WEST RURAL             1333.0000      43.0000       7.3530       54.0667   (   31)

AGE                  13.  SIX AND ONE HALF       1913.0000      28.9848      11.9273      142.2613   (   66)
   AREA              11.  NE LARGE                 80.0000      20.0000       3.9158       15.3333   (    4)
   AREA              12.  NE MEDIUM               133.0000      26.6000      10.5262      110.8000   (    5)
   AREA              13.  NE SMALL                153.0000      25.5000       9.8742       97.5000   (    6)
   AREA              21.  NCENT LARGE             418.0000      32.1538      12.3413      152.3077   (   13)
   AREA              22.  NCENT MEDIUM            180.0000      30.0000       9.7160       94.4000   (    6)
   AREA              24.  NCENT RURAL             310.0000      38.7500      12.3027      151.3571   (    8)
   AREA              31.  SOUTH LARGE             162.0000      32.4000      10.0648      101.3000   (    5)
   AREA              33.  SOUTH SMALL              54.0000      27.0000       7.0711       50.0000   (    2)
   AREA              34.  SOUTH RURAL              22.0000      22.0000            0             0   (    1)
   AREA              41.  WEST LARGE              185.0000      37.0000      11.7686      138.5000   (    5)
   AREA              42.  WEST MEDIUM             142.0000      23.6667      11.8940      141.4667   (    6)
   AREA              43.  WEST SMALL               74.0000      14.8000       8.0436       64.7000   (    5)

AGE                  14.  SEVEN                   189.0000      31.5000       7.8422       61.5000   (    6)
   AREA              12.  NE MEDIUM                30.0000      30.0000            0             0   (    1)
   AREA              21.  NCENT LARGE              23.0000      23.0000            0             0   (    1)
   AREA              22.  NCENT MEDIUM             32.0000      32.0000            0             0   (    1)
   AREA              24.  NCENT RURAL              36.0000      36.0000            0             0   (    1)
   AREA              31.  SOUTH LARGE              68.0000      34.0000      14.1421      200.0000   (    2)

AGE                  15.  SEVEN AND ONE HALF      130.0000      32.5000      20.3388      413.6667   (    4)
   AREA              21.  NCENT LARGE              37.0000      37.0000            0             0   (    1)
   AREA              24.  NCENT RURAL               5.0000       5.0000            0             0   (    1)
   AREA              31.  SOUTH LARGE              88.0000      44.0000      14.1421      200.0000   (    2)

 TOTAL CASES =    5087
```

287

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE              CODE    VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   146374.0000       28.7741      13.0788      171.0542   ( 5087)

LANGUAG                   -99.    UNKNOWN                 3449.0000       33.8137      14.2806      203.9353   (  102)
  AREA                     11.    NE LARGE                 843.0000       33.7200      14.2552      203.2100   (   25)
  AREA                     12.    NE MEDIUM                 62.0000       31.0000      16.9706      288.0000   (    2)
  AREA                     21.    NCENT LARGE              927.0000       31.9655      14.2365      202.6773   (   29)
  AREA                     22.    NCENT MEDIUM              17.0000       17.0000            0             0   (    1)
  AREA                     24.    NCENT RURAL              779.0000       35.4091      12.9492      167.6818   (   22)
  AREA                     31.    SOUTH LARGE              124.0000       31.0000      11.1654      124.6667   (    4)
  AREA                     41.    WEST LARGE               697.0000       36.6842      17.0296      290.0058   (   19)

LANGUAG                     1.    ENGLISH               133791.0000       29.0345      13.0519      170.3528   ( 4608)
  AREA                     11.    NE LARGE               12901.0000       27.1600      12.3579      152.7170   (  475)
  AREA                     12.    NE MEDIUM              12369.0000       29.1035      13.0974      171.5411   (  425)
  AREA                     13.    NE SMALL                9092.0000       29.8098      13.7409      188.8124   (  305)
  AREA                     21.    NCENT LARGE            20652.0000       28.5643      12.6421      159.8224   (  723)
  AREA                     22.    NCENT MEDIUM           17185.0000       31.4744      12.9258      167.0755   (  546)
  AREA                     24.    NCENT RURAL            11790.0000       32.2131      14.4733      209.4777   (  366)
  AREA                     31.    SOUTH LARGE             8111.0000       21.2887      11.0380      121.8375   (  381)
  AREA                     33.    SOUTH SMALL             5083.0000       27.4757      13.2526      175.6312   (  185)
  AREA                     34.    SOUTH RURAL             2486.0000       23.2336       9.9363       98.6902   (  107)
  AREA                     41.    WEST LARGE             10617.0000       31.6925      11.8316      139.9860   (  335)
  AREA                     42.    WEST MEDIUM            11942.0000       30.7784      12.7166      161.7130   (  388)
  AREA                     43.    WEST SMALL              7588.0000       28.1037      12.0246      144.5914   (  270)
  AREA                     44.    WEST RURAL              3975.0000       38.9706      11.0610      122.3457   (  102)

LANGUAG                     2.    SPANISH                 6850.0000       22.7575      10.8945      118.6910   (  301)
  AREA                     11.    NE LARGE                1140.0000       24.2553      12.5325      157.0638   (   47)
  AREA                     12.    NE MEDIUM                147.0000       16.3333      11.4127      130.2500   (    9)
  AREA                     13.    NE SMALL                  32.0000       16.0000       2.8284        8.0000   (    2)
  AREA                     21.    NCENT LARGE              224.0000       32.0000       8.7178       76.0000   (    7)
  AREA                     22.    NCENT MEDIUM             653.0000       18.6571       9.2385       85.3496   (   35)
  AREA                     31.    SOUTH LARGE              406.0000       21.3684       8.5063       72.3567   (   19)
  AREA                     34.    SOUTH RURAL             1204.0000       21.1228      11.4175      130.3596   (   57)
  AREA                     41.    WEST LARGE              1690.0000       27.7049      10.7306      115.1466   (   61)
  AREA                     42.    WEST MEDIUM              351.0000       21.9375       8.5203       72.5958   (   16)
  AREA                     43.    WEST SMALL               966.0000       20.5532       8.7173       75.9917   (   47)
  AREA                     44.    WEST RURAL                37.0000       37.0000            0             0   (    1)

LANGUAG                     3.    OTHER                   2284.0000       30.0526      14.1599      200.5039   (   76)
  AREA                     11.    NE LARGE                1235.0000       37.4242      12.6985      161.2519   (   33)
  AREA                     12.    NE MEDIUM                552.0000       19.7143       9.0752       82.3598   (   28)
  AREA                     21.    NCENT LARGE               27.0000       27.0000            0             0   (    1)
```

A-2-40 (cont.)

```
 VARIABLE                CODE    VALUE LABEL                    SUM          MEAN        STD DEV        VARIANCE        N
  AREA                     22.   NCENT MEDIUM                8.0000        8.0000            0               0    (     1)
  AREA                     24.   NCENT RURAL                40.0000       40.0000            0               0    (     1)
  AREA                     41.   WEST LARGE                203.0000       40.6000       7.7653         60.3000    (     5)
  AREA                     42.   WEST MEDIUM                31.0000       31.0000            0               0    (     1)
  AREA                     43.   WEST SMALL                188.0000       31.3333      17.1192        293.0667    (     6)
TOTAL CASES =     5087
```

A-2-41

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   146374.0000       28.7741      13.0788      171.0542    ( 5087)

ETHNICTY                  -99.    UNKNOWN                 1092.0000       29.5135      14.2022      201.7012    (   37)
    AREA                   11.    NE LARGE                 807.0000       33.6250      14.1600      200.5054    (   24)
    AREA                   13.    NE SMALL                  20.0000       20.0000            0             0    (    1)
    AREA                   21.    NCENT LARGE               68.0000       17.0000      12.3018      151.3333    (    4)
    AREA                   22.    NCENT MEDIUM              48.0000       24.0000       4.2426       18.0000    (    2)
    AREA                   24.    NCENT RURAL               40.0000       40.0000            0             0    (    1)
    AREA                   41.    WEST LARGE                18.0000       18.0000            0             0    (    1)
    AREA                   43.    WEST SMALL                91.0000       22.7500      13.7689      189.5833    (    4)

ETHNICTY                    1.    WHITE                  72643.0000       32.4154      13.6534      186.4144    ( 2241)
    AREA                   11.    NE LARGE                 967.0000       34.5357      15.6359      244.4802    (   28)
    AREA                   12.    NE MEDIUM               8337.0000       32.1892      13.7607      189.3555    (  259)
    AREA                   13.    NE SMALL                8074.0000       30.6996      13.8912      192.9667    (  263)
    AREA                   21.    NCENT LARGE             5752.0000       35.5062      14.3017      204.5372    (  162)
    AREA                   22.    NCENT MEDIUM           11032.0000       34.5831      12.9447      167.5646    (  319)
    AREA                   24.    NCENT RURAL            12083.0000       33.0137      14.2689      203.6026    (  366)
    AREA                   31.    SOUTH LARGE             1541.0000       29.6346      12.1897      148.5894    (   52)
    AREA                   33.    SOUTH SMALL             4747.0000       28.5964      13.3553      178.3634    (  166)
    AREA                   34.    SOUTH RURAL             1234.0000       25.7083      10.4270      108.7216    (   48)
    AREA                   41.    WEST LARGE              2410.0000       37.0769      14.2908      204.2284    (   65)
    AREA                   42.    WEST MEDIUM             8447.0000       32.4885      13.0776      171.0230    (  260)
    AREA                   43.    WEST SMALL              4044.0000       26.7815      11.4081      130.1453    (  151)
    AREA                   44.    WEST RURAL              3975.0000       38.9706      11.0610      122.3457    (  102)

ETHNICTY                    2.    BLACK                  55574.0000       25.5748      11.5521      133.4508    ( 2173)
    AREA                   11.    NE LARGE               11326.0000       26.4626      11.8336      140.0290    (  428)
    AREA                   12.    NE MEDIUM               4392.0000       23.8696      10.0997      102.0048    (  184)
    AREA                   13.    NE SMALL                 949.0000       24.9737      11.3101      127.9182    (   38)
    AREA                   21.    NCENT LARGE            14909.0000       26.6708      11.2837      127.3216    (  559)
    AREA                   22.    NCENT MEDIUM            5268.0000       26.6061      11.5401      133.1740    (  198)
    AREA                   24.    NCENT RURAL              395.0000       20.7895      12.8995      166.3977    (   19)
    AREA                   31.    SOUTH LARGE             6151.0000       19.9061      10.2628      105.3256    (  309)
    AREA                   33.    SOUTH SMALL              320.0000       17.7778       7.0840       50.1830    (   18)
    AREA                   34.    SOUTH RURAL             1191.0000       20.8947       8.8835       78.9173    (   57)
    AREA                   41.    WEST LARGE              6192.0000       30.0583      10.8752      118.2698    (  206)
    AREA                   42.    WEST MEDIUM             1876.0000       26.8000      11.5979      134.5101    (   70)
    AREA                   43.    WEST SMALL              2605.0000       29.9425      13.1037      171.7060    (   87)

ETHNICTY                    3.    OTHER                  17065.0000       26.8318      12.6068      158.9307    (  636)
    AREA                   11.    NE LARGE                3019.0000       30.1900      14.1925      201.4282    (  100)
    AREA                   12.    NE MEDIUM                401.0000       19.0952      12.4495      154.9905    (   21)
    AREA                   13.    NE SMALL                  81.0000       16.2000       9.7314       94.7000    (    5)
```

A-2-41 (cont.)

```
                                                                                      PAGE   17

 VARIABLE              CODE   VALUE LABEL              SUM          MEAN       STD DEV       VARIANCE          N

AREA                    21.  NCENT LARGE          1101.0000       31.4571      14.2196       202.1966     (    35)
AREA                    22.  NCENT MEDIUM         1515.0000       23.6719      12.0489       145.1763     (    64)
AREA                    24.  NCENT RURAL            91.0000       30.3333       9.2376        85.3333     (     3)
AREA                    31.  SOUTH LARGE           949.0000       22.0698       9.8740        97.4950     (    43)
AREA                    33.  SOUTH SMALL            16.0000       16.0000            0              0     (     1)
AREA                    34.  SOUTH RURAL          1265.0000       21.4407      11.5150       132.5956     (    59)
AREA                    41.  WEST LARGE           4587.0000       30.9932      11.9395       142.5510     (   148)
AREA                    42.  WEST MEDIUM          2001.0000       26.6800      10.5384       111.0584     (    75)
AREA                    43.  WEST SMALL           2002.0000       24.7160      11.2575       126.7309     (    81)
AREA                    44.  WEST RURAL             37.0000       37.0000            0              0     (     1)
TOTAL CASES =    5087
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    ECONSTAT   INCOME AND POVERTY LEVEL
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     VARIABLE             CODE     VALUE LABEL                 SUM           MEAN         STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                   146374.0000        28.7741        13.0788        171.0542   (  5087)

ECONSTAT                    1.   10K-, BELOW POVERTY     50725.0000        24.4458        11.1691        124.7496   (  2075)
   AREA                    11.   NE LARGE                 6491.0000        24.4943        11.6545        135.8267   (   265)
   AREA                    12.   NE MEDIUM                4009.0000        22.6497        10.2653        105.3766   (   177)
   AREA                    13.   NE SMALL                 1677.0000        24.6618        10.6219        112.8242   (    68)
   AREA                    21.   NCENT LARGE             10114.0000        26.1344        10.9730        120.4068   (   387)
   AREA                    22.   NCENT MEDIUM             4316.0000        25.5385        11.3069        127.8452   (   169)
   AREA                    24.   NCENT RURAL              2162.0000        22.5208        11.7491        138.0417   (    96)
   AREA                    31.   SOUTH LARGE              4955.0000        20.3909         9.6723         93.5531   (   243)
   AREA                    33.   SOUTH SMALL               917.0000        19.1042         9.1889         84.4357   (    48)
   AREA                    34.   SOUTH RURAL              1850.0000        20.5556        10.0874        101.7553   (    90)
   AREA                    41.   WEST LARGE               6296.0000        29.0138        11.1586        124.5137   (   217)
   AREA                    42.   WEST MEDIUM              4182.0000        26.1375        11.2101        125.6665   (   160)
   AREA                    43.   WEST SMALL               3391.0000        23.5486        10.8736        118.2354   (   144)
   AREA                    44.   WEST RURAL                365.0000        33.1818        11.6002        134.5636   (    11)

ECONSTAT                    2.   10K-, ABOVE POVERTY     65790.0000        30.4583        13.2132        174.5893   (  2160)
   AREA                    11.   NE LARGE                 7337.0000        29.2311        12.4959        156.1464   (   251)
   AREA                    12.   NE MEDIUM                6753.0000        30.9771        13.4025        179.6262   (   218)
   AREA                    13.   NE SMALL                 4603.0000        28.4136        13.7559        189.2254   (   162)
   AREA                    21.   NCENT LARGE              7086.0000        28.6883        12.3534        152.6057   (   247)
   AREA                    22.   NCENT MEDIUM             8681.0000        31.9154        13.4794        181.6939   (   272)
   AREA                    24.   NCENT RURAL              6858.0000        34.4623        13.1082        171.8256   (   199)
   AREA                    31.   SOUTH LARGE              2941.0000        22.4504        12.6984        161.2494   (   131)
   AREA                    33.   SOUTH SMALL              2807.0000        29.5474        12.8641        165.4844   (    95)
   AREA                    34.   SOUTH RURAL              1423.0000        24.1186        10.9750        120.4512   (    59)
   AREA                    41.   WEST LARGE               5293.0000        33.2893        12.5639        157.8525   (   159)
   AREA                    42.   WEST MEDIUM              5995.0000        33.4916        12.9491        167.6783   (   179)
   AREA                    43.   WEST SMALL               4215.0000        29.6831        12.1512        147.6506   (   142)
   AREA                    44.   WEST RURAL               1798.0000        39.0870        11.1631        124.6145   (    46)

ECONSTAT                    3.   10K+, BELOW POVERTY        12.0000        12.0000              0               0   (     1)
   AREA                    21.   NCENT LARGE                12.0000        12.0000              0               0   (     1)

ECONSTAT                    4.   10K+, ABOVE POVERTY     29847.0000        35.0729        13.5155        182.6676   (   851)
   AREA                    11.   NE LARGE                 2291.0000        35.7969        13.7843        190.0097   (    64)
   AREA                    12.   NE MEDIUM                2368.0000        34.3188        13.6613        186.6321   (    69)
   AREA                    13.   NE SMALL                 2844.0000        36.9351        13.4442        180.7457   (    77)
   AREA                    21.   NCENT LARGE              4618.0000        36.9440        14.6421        214.3920   (   125)
   AREA                    22.   NCENT MEDIUM             4866.0000        34.2676        12.6704        160.5378   (   142)
   AREA                    24.   NCENT RURAL              3589.0000        38.1809        14.5757        212.4508   (    94)
   AREA                    31.   SOUTH LARGE               745.0000        24.8333        11.7446        137.9368   (    30)
   AREA                    33.   SOUTH SMALL              1359.0000        32.3571        13.9857        195.6010   (    42)
```

A-2-42 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                    SUM           MEAN         STD DEV        VARIANCE         N

 AREA                    34.   SOUTH RURAL                417.0000        27.8000          8.3169         69.1714   (     15)
 AREA                    41.   WEST LARGE                1618.0000        36.7727         11.8437        140.2727   (     44)
 AREA                    42.   WEST MEDIUM               2147.0000        32.5303         12.4829        155.8221   (     66)
 AREA                    43.   WEST SMALL                1136.0000        30.7027         12.1103        146.6592   (     37)
 AREA                    44.   WEST RURAL                1849.0000        40.1957         10.5085        110.4275   (     46)

TOTAL CASES =     5087
```

A-2-43

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                     146374.0000       28.7741     13.0788      171.0542    (  5087)

MOVES                      -99.                            86233.0000       27.6831     13.0548      170.4278    (  3115)
   AREA                     11.  NE LARGE                  12317.0000       28.1210     12.9356      167.3296    (   438)
   AREA                     12.  NE MEDIUM                  7640.0000       26.4360     12.2232      149.4065    (   289)
   AREA                     13.  NE SMALL                   4417.0000       28.1338     15.1256      228.7833    (   157)
   AREA                     21.  NCENT LARGE               14879.0000       27.8633     12.5784      158.2158    (   534)
   AREA                     22.  NCENT MEDIUM              10507.0000       30.1060     13.6942      187.5318    (   349)
   AREA                     24.  NCENT RURAL                3962.0000       26.7703     14.4642      209.2122    (   148)
   AREA                     31.  SOUTH LARGE                5339.0000       21.6154     11.1371      124.0344    (   247)
   AREA                     33.  SOUTH SMALL                1907.0000       23.5432     12.6056      158.9012    (    81)
   AREA                     34.  SOUTH RURAL                1220.0000       21.7857     12.3210      151.8078    (    56)
   AREA                     41.  WEST LARGE                 9912.0000       30.9750     12.2190      149.3034    (   320)
   AREA                     42.  WEST MEDIUM                6820.0000       28.7764     12.6158      159.1574    (   237)
   AREA                     43.  WEST SMALL                 5413.0000       26.4049     12.5787      158.2225    (   205)
   AREA                     44.  WEST RURAL                 1900.0000       35.1852     11.6361      135.3990    (    54)

MOVES                         0                            44625.0000       30.4400     12.8544      165.2363    (  1466)
   AREA                     11.  NE LARGE                   3494.0000       26.8769     12.4272      154.4343    (   130)
   AREA                     12.  NE MEDIUM                  4157.0000       30.7926     13.4031      179.6432    (   135)
   AREA                     13.  NE SMALL                   1989.0000       31.0781     11.6432      135.5652    (    64)
   AREA                     21.  NCENT LARGE                5917.0000       30.9791     12.8947      166.2732    (   191)
   AREA                     22.  NCENT MEDIUM               6205.0000       30.8706     12.0151      144.3632    (   201)
   AREA                     24.  NCENT RURAL                4809.0000       36.4318     12.9043      166.5220    (   132)
   AREA                     31.  SOUTH LARGE                2469.0000       21.6579     10.7208      114.9350    (   114)
   AREA                     33.  SOUTH SMALL                1751.0000       31.8364     13.7272      188.4357    (    55)
   AREA                     34.  SOUTH RURAL                2255.0000       23.0102      9.6821       93.7422    (    98)
   AREA                     41.  WEST LARGE                 2495.0000       35.1408     11.2913      127.4942    (    71)
   AREA                     42.  WEST MEDIUM                4687.0000       33.9638     12.5468      157.4220    (   138)
   AREA                     43.  WEST SMALL                 2969.0000       28.5481     11.0136      121.2986    (   104)
   AREA                     44.  WEST RURAL                 1428.0000       43.2727      8.0865       65.3920    (    33)

MOVES                        1.                            12427.0000       30.9900     13.1941      174.0849    (   401)
   AREA                     11.  NE LARGE                    290.0000       26.3636     10.2399      104.8545    (    11)
   AREA                     12.  NE MEDIUM                  1268.0000       33.3684     16.2687      264.6714    (    38)
   AREA                     13.  NE SMALL                   1899.0000       33.3158     12.8718      165.6842    (    57)
   AREA                     21.  NCENT LARGE                 971.0000       30.3438     11.5105      132.4909    (    32)
   AREA                     22.  NCENT MEDIUM                910.0000       35.0000     13.2182      174.7200    (    26)
   AREA                     24.  NCENT RURAL                2870.0000       33.7647     13.4533      180.9916    (    85)
   AREA                     31.  SOUTH LARGE                 386.0000       19.3000     12.0748      145.8000    (    20)
   AREA                     33.  SOUTH SMALL                1077.0000       29.1081     12.1193      146.8769    (    37)
   AREA                     34.  SOUTH RURAL                 215.0000       21.5000      6.8354       46.7222    (    10)
   AREA                     41.  WEST LARGE                  706.0000       27.1538     10.3603      107.3354    (    26)
   AREA                     42.  WEST MEDIUM                 817.0000       27.2333     10.2845      105.7713    (    30)
```

A-2-43 (cont.)

```
VARIABLE            CODE   VALUE LABEL               SUM         MEAN      STD DEV      VARIANCE        N

  AREA               43.  WEST SMALL            334.0000      25.6923       9.7244       94.5641   (    13)
  AREA               44.  WEST RURAL            684.0000      42.7500       9.9298       98.6000   (    16)

MOVES                 2.                       2710.0000      28.5263      12.9137      166.7426   (    95)
  AREA               11.  NE LARGE               18.0000      18.0000            0             0   (     1)
  AREA               12.  NE MEDIUM              65.0000      32.5000      13.4350      180.5000   (     2)
  AREA               13.  NE SMALL              774.0000      27.7143      10.0696      101.3948   (    28)
  AREA               21.  NCENT LARGE            63.0000      21.0000      11.5326      133.0000   (     3)
  AREA               22.  NCENT MEDIUM          204.0000      34.0000      13.0231      169.6000   (     6)
  AREA               24.  NCENT RURAL           726.0000      40.3333      13.0879      171.2941   (    18)
  AREA               31.  SOUTH LARGE           447.0000      19.4348       9.2482       85.5296   (    23)
  AREA               33.  SOUTH SMALL           291.0000      29.1000      13.7877      190.1000   (    10)
  AREA               41.  WEST LARGE             94.0000      31.3333       9.6090       92.3333   (     3)
  AREA               43.  WEST SMALL             26.0000      26.0000            0             0   (     1)

MOVES                 3.                        379.0000      37.9000      12.0411      144.9889   (    10)
  AREA               13.  NE SMALL               43.0000      43.0000            0             0   (     1)
  AREA               22.  NCENT MEDIUM           37.0000      37.0000            0             0   (     1)
  AREA               24.  NCENT RURAL           242.0000      40.3333      14.5694      212.2667   (     6)
  AREA               33.  SOUTH SMALL            57.0000      28.5000       2.1213        4.5000   (     2)

 TOTAL CASES =    5087
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW          FALL KIND WRAT TOTAL
   BROKEN DOWN BY    SCHOOLS      NO. OF SCHOOLS ATTENDED
               BY    AREA         REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                       146374.0000        28.7741        13.0788       171.0542   ( 5087)

SCHOOLS                     -99.                             86233.0000        27.6831        13.0548       170.4278   ( 3115)
   AREA                      11.   NE LARGE                  12317.0000        28.1210        12.9356       167.3286   (  438)
   AREA                      12.   NE MEDIUM                  7640.0000        26.4360        12.2232       149.4065   (  289)
   AREA                      13.   NE SMALL                   4417.0000        28.1338        15.1256       228.7833   (  157)
   AREA                      21.   NCENT LARGE               14879.0000        27.8633        12.5784       158.2158   (  534)
   AREA                      22.   NCENT MEDIUM              10507.0000        30.1060        13.6942       187.5318   (  349)
   AREA                      24.   NCENT RURAL                3962.0000        26.7703        14.4642       209.2122   (  148)
   AREA                      31.   SOUTH LARGE                5339.0000        21.6154        11.1371       124.0344   (  247)
   AREA                      33.   SOUTH SMALL                1907.0000        23.5432        12.6056       158.9012   (   81)
   AREA                      34.   SOUTH RURAL                1220.0000        21.7857        12.3210       151.8078   (   56)
   AREA                      41.   WEST LARGE                 9912.0000        30.9750        12.2190       149.3034   (  320)
   AREA                      42.   WEST MEDIUM                6820.0000        28.7764        12.6158       159.1574   (  237)
   AREA                      43.   WEST SMALL                 5413.0000        26.4049        12.5787       158.2225   (  205)
   AREA                      44.   WEST RURAL                 1900.0000        35.1852        11.6361       135.3990   (   54)

SCHOOLS                       1.                             44625.0000        30.4400        12.8544       165.2363   ( 1466)
   AREA                      11.   NE LARGE                   3494.0000        26.8769        12.4272       154.4343   (  130)
   AREA                      12.   NE MEDIUM                  4157.0000        30.7926        13.4031       179.6432   (  135)
   AREA                      13.   NE SMALL                   1989.0000        31.0781        11.6432       135.5652   (   64)
   AREA                      21.   NCENT LARGE                5917.0000        30.9791        12.8947       166.2732   (  191)
   AREA                      22.   NCENT MEDIUM               6205.0000        30.8706        12.0151       144.3632   (  201)
   AREA                      24.   NCENT RURAL                4809.0000        36.4318        12.9043       166.5220   (  132)
   AREA                      31.   SOUTH LARGE                2469.0000        21.6579        10.7208       114.9350   (  114)
   AREA                      33.   SOUTH SMALL                1751.0000        31.8364        13.7272       188.4357   (   55)
   AREA                      34.   SOUTH RURAL                2255.0000        23.0102         9.6821        93.7422   (   98)
   AREA                      41.   WEST LARGE                 2495.0000        35.1408        11.2913       127.4942   (   71)
   AREA                      42.   WEST MEDIUM                4687.0000        33.9638        12.5468       157.4220   (  138)
   AREA                      43.   WEST SMALL                 2969.0000        28.5481        11.0136       121.2996   (  104)
   AREA                      44.   WEST RURAL                 1428.0000        43.2727         8.0865        65.3920   (   33)

SCHOOLS                       2.                             13519.0000        30.5860        13.2869       176.5425   (  442)
   AREA                      11.   NE LARGE                    308.0000        25.6667        10.0574       101.1515   (   12)
   AREA                      12.   NE MEDIUM                  1291.0000        33.1026        16.1389       260.4629   (   39)
   AREA                      13.   NE SMALL                   1899.0000        33.3158        12.8718       165.6842   (   57)
   AREA                      21.   NCENT LARGE                1002.0000        29.4706        11.8148       139.5900   (   34)
   AREA                      22.   NCENT MEDIUM               1072.0000        34.5806        13.1245       172.2516   (   31)
   AREA                      24.   NCENT RURAL                3115.0000        34.2308        13.4702       181.4462   (   91)
   AREA                      31.   SOUTH LARGE                 727.0000        19.1316        10.6572       113.5768   (   38)
   AREA                      33.   SOUTH SMALL                1262.0000        30.0476        12.5133       156.5830   (   42)
   AREA                      34.   SOUTH RURAL                 215.0000        21.5000         6.8354        46.7222   (   10)
   AREA                      41.   WEST LARGE                  767.0000        27.3929        10.3363       106.8399   (   28)
   AREA                      42.   WEST MEDIUM                 817.0000        27.2333        10.2845       105.7713   (   30)
```

A-2-44 (cont.)

```
    VARIABLE             CODE   VALUE LABEL              SUM          MEAN        STD DEV      VARIANCE        N

  AREA                    43.  WEST SMALL            360.0000      25.7143       9.3433       87.2967   (     14)
  AREA                    44.  WEST RURAL            684.0000      42.7500       9.9298       98.6000   (     16)

SCHOOLS                    3.                       1795.0000      30.4237      11.9036      141.6967   (     59)
  AREA                    12.  NE MEDIUM              42.0000      42.0000            0             0   (      1)
  AREA                    13.  NE SMALL              819.0000      28.2414      10.2875      105.8325   (     29)
  AREA                    21.  NCENT LARGE            32.0000      32.0000            0             0   (      1)
  AREA                    22.  NCENT MEDIUM           79.0000      39.5000       3.5355       12.5000   (      2)
  AREA                    24.  NCENT RURAL           521.0000      40.0769      13.1115      171.9103   (     13)
  AREA                    31.  SOUTH LARGE           106.0000      21.2000      10.3779      107.7000   (      5)
  AREA                    33.  SOUTH SMALL           163.0000      23.2857       7.1813       51.5714   (      7)
  AREA                    41.  WEST LARGE             33.0000      33.0000            0             0   (      1)

SCHOOLS                    4.                        202.0000      40.4000      16.2880      265.3000   (      5)
  AREA                    24.  NCENT RURAL           202.0000      40.4000      16.2880      265.3000   (      5)

 TOTAL CASES =     5087
```

297

A-3-45

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                 SUM           MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    24656.0000       30.2899       12.4826       155.8150    (   814)

POVERTY                     1.   BELOW                    6976.0000       25.4599       10.3354       106.8207    (   274)
   AREA                    11.   NE LARGE                  493.0000       23.4762        9.4267        88.8619    (    21)
   AREA                    12.   NE MEDIUM                 890.0000       26.1765       10.5298       110.8770    (    34)
   AREA                    13.   NE SMALL                  355.0000       25.3571       11.8686       140.8626    (    14)
   AREA                    21.   NCENT LARGE               799.0000       28.5357        9.4535        89.3690    (    28)
   AREA                    22.   NCENT MEDIUM              610.0000       24.4000        9.5699        91.5833    (    25)
   AREA                    24.   NCENT RURAL               571.0000       25.9545       10.9782       120.5216    (    22)
   AREA                    31.   SOUTH LARGE               459.0000       21.8571       10.8226       117.1286    (    21)
   AREA                    33.   SOUTH SMALL               153.0000       19.1250        7.9720        63.5536    (     8)
   AREA                    34.   SOUTH RURAL               560.0000       20.7407        8.6673        75.1225    (    27)
   AREA                    41.   WEST LARGE                812.0000       32.4800       11.0194       121.4267    (    25)
   AREA                    42.   WEST MEDIUM               607.0000       27.5909        8.3704        70.0628    (    22)
   AREA                    43.   WEST SMALL                667.0000       24.7037       10.1633       103.2934    (    27)

POVERTY                     2.   ABOVE                   17680.0000       32.7407       12.7688       163.0421    (   540)
   AREA                    11.   NE LARGE                 1024.0000       28.4444       12.3252       151.9111    (    36)
   AREA                    12.   NE MEDIUM                1924.0000       33.1724       14.0002       196.0048    (    58)
   AREA                    13.   NE SMALL                 1982.0000       30.9688       11.2179       125.8403    (    64)
   AREA                    21.   NCENT LARGE              1233.0000       39.7742       12.5770       158.1806    (    31)
   AREA                    22.   NCENT MEDIUM             2544.0000       32.2025       12.0431       145.0354    (    79)
   AREA                    24.   NCENT RURAL              4227.0000       38.4273       12.0728       145.7515    (   110)
   AREA                    31.   SOUTH LARGE               540.0000       21.6000       11.3137       128.0000    (    25)
   AREA                    33.   SOUTH SMALL               928.0000       29.0000       12.5106       156.5161    (    32)
   AREA                    34.   SOUTH RURAL               521.0000       22.6522        8.8194        77.7826    (    23)
   AREA                    41.   WEST LARGE                883.0000       36.7917       10.2192       104.4330    (    24)
   AREA                    42.   WEST MEDIUM               864.0000       33.2308       12.3978       153.7046    (    26)
   AREA                    43.   WEST SMALL               1010.0000       31.5625       10.3361       106.8347    (    32)

  TOTAL CASES =      814
```

LONGITUDINAL GROUP

301

A-3-46

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                   SUM          MEAN       STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                       32868.0000      40.3784      10.2985      106.0584   (  814)

POVERTY                      1.   BELOW                      9730.0000      35.5109       7.8532       61.6720   (  274)
   AREA                     11.   NE LARGE                    708.0000      33.7143       7.3494       54.0143   (   21)
   AREA                     12.   NE MEDIUM                  1217.0000      35.7941       8.7517       76.5927   (   34)
   AREA                     13.   NE SMALL                    532.0000      38.0000       8.0096       64.1538   (   14)
   AREA                     21.   NCENT LARGE                1023.0000      36.5357       8.5005       72.2579   (   28)
   AREA                     22.   NCENT MEDIUM                945.0000      37.8000       6.2316       38.8333   (   25)
   AREA                     24.   NCENT RURAL                 909.0000      41.3182      10.3620      107.3701   (   22)
   AREA                     31.   SOUTH LARGE                 656.0000      31.2381       6.0325       36.3905   (   21)
   AREA                     33.   SOUTH SMALL                 286.0000      35.7500       7.3046       53.3571   (    8)
   AREA                     34.   SOUTH RURAL                 954.0000      35.3333       6.0638       36.7692   (   27)
   AREA                     41.   WEST LARGE                  906.0000      36.2400       7.5569       57.1067   (   25)
   AREA                     42.   WEST MEDIUM                 763.0000      34.6818       6.4320       41.3701   (   22)
   AREA                     43.   WEST SMALL                  831.0000      30.7778       5.8266       33.9487   (   27)

POVERTY                      2.   ABOVE                     23138.0000      42.8481      10.5158      110.5817   (  540)
   AREA                     11.   NE LARGE                   1453.0000      40.3611      10.1282      102.5802   (   36)
   AREA                     12.   NE MEDIUM                  2412.0000      41.5862      10.9785      120.5275   (   58)
   AREA                     13.   NE SMALL                   2711.0000      42.3594       8.1208       65.9482   (   64)
   AREA                     21.   NCENT LARGE                1414.0000      45.6129      10.1774      103.5785   (   31)
   AREA                     22.   NCENT MEDIUM               3439.0000      43.5316       9.5553       91.3035   (   79)
   AREA                     24.   NCENT RURAL                5474.0000      49.7636       8.5187       72.5675   (  110)
   AREA                     31.   SOUTH LARGE                 833.0000      33.3200       9.6208       92.5600   (   25)
   AREA                     33.   SOUTH SMALL                1422.0000      44.4375      12.2789      150.7702   (   32)
   AREA                     34.   SOUTH RURAL                 867.0000      37.6957       5.3635       28.7668   (   23)
   AREA                     41.   WEST LARGE                  947.0000      39.4583      10.1252      102.5199   (   24)
   AREA                     42.   WEST MEDIUM                1095.0000      42.1154      11.0791      122.7462   (   26)
   AREA                     43.   WEST SMALL                 1071.0000      33.4688       7.9595       63.3538   (   32)

  TOTAL CASES =      814
```

A-3-47

```
- - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE    VALUE LABEL             SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                 31725.0000      38.9742     11.4035      130.0399    (   814)

POVERTY                     1.   BELOW                 9297.0000      33.9307      9.0290       81.5226    (   274)
   AREA                    11.   NE LARGE               748.0000      35.6190      8.7091       75.8476    (    21)
   AREA                    12.   NE MEDIUM             1052.0000      30.9412      6.4335       41.3904    (    34)
   AREA                    13.   NE SMALL               508.0000      36.2857      7.1191       50.6813    (    14)
   AREA                    21.   NCENT LARGE            888.0000      31.7143      9.6373       92.8783    (    28)
   AREA                    22.   NCENT MEDIUM           945.0000      37.8000      7.5993       57.7500    (    25)
   AREA                    24.   NCENT RURAL            958.0000      43.5455     12.5650      157.8788    (    22)
   AREA                    31.   SOUTH LARGE            595.0000      28.3333      5.7648       33.2333    (    21)
   AREA                    33.   SOUTH SMALL            274.0000      34.2500      3.7321       13.9286    (     8)
   AREA                    34.   SOUTH RURAL            825.0000      30.5556      7.4024       54.7949    (    27)
   AREA                    41.   WEST LARGE             881.0000      35.2400      9.0429       81.7733    (    25)
   AREA                    42.   WEST MEDIUM            768.0000      34.9091      7.9517       63.2294    (    22)
   AREA                    43.   WEST SMALL             855.0000      31.6667      8.4853       72.0000    (    27)

POVERTY                     2.   ABOVE                22428.0000      41.5333     11.6345      135.3625    (   540)
   AREA                    11.   NE LARGE              1407.0000      39.0833      7.3693       54.3071    (    36)
   AREA                    12.   NE MEDIUM             2325.0000      40.0862     11.7224      137.4135    (    58)
   AREA                    13.   NE SMALL              2559.0000      39.9844      9.3257       86.9680    (    64)
   AREA                    21.   NCENT LARGE           1365.0000      44.0323     13.2727      176.1656    (    31)
   AREA                    22.   NCENT MEDIUM          3228.0000      40.8608      8.7365       76.3265    (    79)
   AREA                    24.   NCENT RURAL           5599.0000      50.9000     10.7105      114.7147    (   110)
   AREA                    31.   SOUTH LARGE            698.0000      27.9200     10.2100      104.2433    (    25)
   AREA                    33.   SOUTH SMALL           1358.0000      42.4375     10.6466      113.3508    (    32)
   AREA                    34.   SOUTH RURAL            780.0000      33.9130      6.2734       39.3557    (    23)
   AREA                    41.   WEST LARGE             898.0000      37.4167     14.1910      201.3841    (    24)
   AREA                    42.   WEST MEDIUM           1115.0000      42.8846      8.8151       77.7062    (    26)
   AREA                    43.   WEST SMALL            1096.0000      34.2500      8.0962       65.5484    (    32)

    TOTAL CASES =      814
```

304

A-3-48

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                     SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                          48317.0000        59.3575       12.1889       148.5695    (   814)

POVERTY                      1.     BELOW                      14622.0000        53.3650       10.4831       109.8956    (   274)
   AREA                     11.     NE LARGE                    1169.0000        55.6667       12.6899       161.0333    (    21)
   AREA                     12.     NE MEDIUM                   1796.0000        52.8235       11.3924       129.7861    (    34)
   AREA                     13.     NE SMALL                     742.0000        53.0000       11.6751       136.3077    (    14)
   AREA                     21.     NCENT LARGE                 1445.0000        51.6071       13.0762       170.9891    (    28)
   AREA                     22.     NCENT MEDIUM                1398.0000        55.9200        6.6828        44.6600    (    25)
   AREA                     24.     NCENT RURAL                 1275.0000        57.9545       11.3954       129.8550    (    22)
   AREA                     31.     SOUTH LARGE                 1035.0000        49.2857        8.7358        76.3143    (    21)
   AREA                     33.     SOUTH SMALL                  417.0000        52.1250        8.5262        72.6964    (     8)
   AREA                     34.     SOUTH RURAL                 1353.0000        50.1111        9.3081        86.6410    (    27)
   AREA                     41.     WEST LARGE                  1362.0000        54.4800       11.2403       126.3433    (    25)
   AREA                     42.     WEST MEDIUM                 1165.0000        52.9545        6.8067        46.3312    (    22)
   AREA                     43.     WEST SMALL                  1465.0000        54.2593        9.7610        95.2764    (    27)

POVERTY                      2.     ABOVE                      33695.0000        62.3981       11.8708       140.9154    (   540)
   AREA                     11.     NE LARGE                    2153.0000        59.8056        9.0674        82.2183    (    36)
   AREA                     12.     NE MEDIUM                   3543.0000        61.0862       11.8444       140.2907    (    58)
   AREA                     13.     NE SMALL                    3895.0000        60.8594       10.8260       117.2021    (    64)
   AREA                     21.     NCENT LARGE                 2066.0000        66.6452       12.0901       146.1699    (    31)
   AREA                     22.     NCENT MEDIUM                4923.0000        62.3165       12.0262       144.6293    (    79)
   AREA                     24.     NCENT RURAL                 7689.0000        69.9000       11.3404       128.6046    (   110)
   AREA                     31.     SOUTH LARGE                 1342.0000        53.6800       10.5937       112.2267    (    25)
   AREA                     33.     SOUTH SMALL                 2054.0000        64.1875       11.1888       125.1895    (    32)
   AREA                     34.     SOUTH RURAL                 1242.0000        54.0000        7.9086        62.5455    (    23)
   AREA                     41.     WEST LARGE                  1412.0000        58.8333       10.7892       116.4058    (    24)
   AREA                     42.     WEST MEDIUM                 1591.0000        61.1923        9.7489        95.0415    (    26)
   AREA                     43.     WEST SMALL                  1785.0000        55.7813        8.7905        77.2732    (    32)

  TOTAL CASES =      814
```

A-3-49

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD OR MAT TOTAL MATH
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                CODE     VALUE LABEL                SUM          MEAN       STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                      52378.0000       64.3464       12.6207       159.2820   (   814)

POVERTY                        1.   BELOW                  16108.0000       58.7883       10.6667       113.7792   (   274)
   AREA                       11.   NE LARGE                1208.0000       57.5238       11.6474       135.6619   (    21)
   AREA                       12.   NE MEDIUM               1977.0000       58.1471       12.3831       153.3414   (    34)
   AREA                       13.   NE SMALL                 754.0000       53.8571        9.3960        88.2857   (    14)
   AREA                       21.   NCENT LARGE             1680.0000       60.0000        9.9331        98.6667   (    28)
   AREA                       22.   NCENT MEDIUM            1584.0000       63.3600        8.9994        80.9900   (    25)
   AREA                       24.   NCENT RURAL             1455.0000       66.1364       12.2990       151.2662   (    22)
   AREA                       31.   SOUTH LARGE             1146.0000       54.5714        9.4317        88.9571   (    21)
   AREA                       33.   SOUTH SMALL              490.0000       61.2500        4.6828        21.9286   (     8)
   AREA                       34.   SOUTH RURAL             1568.0000       58.0741        9.1101        82.9943   (    27)
   AREA                       41.   WEST LARGE              1485.0000       59.4000        8.5049        72.3333   (    25)
   AREA                       42.   WEST MEDIUM             1149.0000       52.2273       11.5178       132.6602   (    22)
   AREA                       43.   WEST SMALL              1612.0000       59.7037        9.1770        84.2165   (    27)

POVERTY                        2.   ABOVE                  36270.0000       67.1667       12.6076       158.9518   (   540)
   AREA                       11.   NE LARGE                2299.0000       63.8611        9.1563        83.8173   (    36)
   AREA                       12.   NE MEDIUM               3936.0000       67.8621       14.8695       221.1034   (    58)
   AREA                       13.   NE SMALL                4240.0000       66.2500       13.1535       173.0159   (    64)
   AREA                       21.   NCENT LARGE             2106.0000       67.9355       12.4578       155.1957   (    31)
   AREA                       22.   NCENT MEDIUM            5375.0000       68.0380       11.0122       121.2678   (    79)
   AREA                       24.   NCENT RURAL             8251.0000       75.0091        9.7345        94.7614   (   110)
   AREA                       31.   SOUTH LARGE             1430.0000       57.2000       10.8706       118.1667   (    25)
   AREA                       33.   SOUTH SMALL             2225.0000       69.5313       12.7961       163.7409   (    32)
   AREA                       34.   SOUTH RURAL             1393.0000       60.5652       10.2860       105.8024   (    23)
   AREA                       41.   WEST LARGE              1492.0000       62.1667       12.6411       159.7971   (    24)
   AREA                       42.   WEST MEDIUM             1663.0000       63.9615       12.3498       152.5185   (    26)
   AREA                       43.   WEST SMALL              1860.0000       58.1250        9.1572        83.8540   (    32)

  TOTAL CASES =      814
```

A-3-50

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                  SUM          MEAN       STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    24656.0000       30.2899       12.4826       155.8150   (  814)

MOTHERED                   -97.                            736.0000       24.5333       10.5266       110.8092   (   30)
   AREA                     11.   NE LARGE                  85.0000       21.2500        8.1394        66.2500   (    4)
   AREA                     12.   NE MEDIUM                112.0000       22.4000       11.1041       123.3000   (    5)
   AREA                     13.   NE SMALL                  72.0000       24.0000        1.0000         1.0000   (    3)
   AREA                     21.   NCENT LARGE               69.0000       23.0000        9.5394        91.0000   (    3)
   AREA                     22.   NCENT MEDIUM              21.0000       21.0000             0              0   (    1)
   AREA                     24.   NCENT RURAL               61.0000       30.5000       12.0208       144.5000   (    2)
   AREA                     31.   SOUTH LARGE               53.0000       26.5000       23.3345       544.5000   (    2)
   AREA                     34.   SOUTH RURAL               25.0000       25.0000             0              0   (    1)
   AREA                     41.   WEST LARGE               160.0000       32.0000       15.6525       245.0000   (    5)
   AREA                     42.   WEST MEDIUM               32.0000       16.0000        1.4142         2.0000   (    2)
   AREA                     43.   WEST SMALL                46.0000       23.0000        8.4853        72.0000   (    2)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE    9017.0000       25.4718       10.8803       118.3802   (  354)
   AREA                     11.   NE LARGE                 702.0000       25.0714       11.5468       133.3280   (   28)
   AREA                     12.   NE MEDIUM               1099.0000       24.9773       11.9680       143.2320   (   44)
   AREA                     13.   NE SMALL                 540.0000       25.7143        9.2528        85.6143   (   21)
   AREA                     21.   NCENT LARGE              738.0000       29.5200        8.2418        67.9267   (   25)
   AREA                     22.   NCENT MEDIUM            1301.0000       26.0200       11.4134       130.2649   (   50)
   AREA                     24.   NCENT RURAL             1021.0000       28.3611       12.2408       149.8373   (   36)
   AREA                     31.   SOUTH LARGE              530.0000       21.2000       11.6833       136.5000   (   25)
   AREA                     33.   SOUTH SMALL              391.0000       20.5789        7.5227        56.5906   (   19)
   AREA                     34.   SOUTH RURAL              595.0000       18.5938        7.6994        59.2813   (   32)
   AREA                     41.   WEST LARGE               673.0000       32.0476        8.9133        79.4476   (   21)
   AREA                     42.   WEST MEDIUM              591.0000       28.1429        8.9738        80.5286   (   21)
   AREA                     43.   WEST SMALL               836.0000       26.1250       10.6096       112.5645   (   32)

MOTHERED                     2.   HIGH SCHOOL COMPLETE   14903.0000       34.6581       12.2388       149.7873   (  430)
   AREA                     11.   NE LARGE                 730.0000       29.2000       11.6798       136.4167   (   25)
   AREA                     12.   NE MEDIUM               1603.0000       37.2791       11.5291       132.9203   (   43)
   AREA                     13.   NE SMALL                1725.0000       31.9444       12.0603       145.4497   (   54)
   AREA                     21.   NCENT LARGE             1225.0000       39.5161       13.4260       180.2581   (   31)
   AREA                     22.   NCENT MEDIUM            1832.0000       34.5660       11.0218       121.4811   (   53)
   AREA                     24.   NCENT RURAL             3716.0000       39.5319       11.6228       135.0904   (   94)
   AREA                     31.   SOUTH LARGE              416.0000       21.8947        9.2550        85.6550   (   19)
   AREA                     33.   SOUTH SMALL              690.0000       32.8571       13.0357       169.9286   (   21)
   AREA                     34.   SOUTH RURAL              461.0000       27.1176        8.1154        65.8603   (   17)
   AREA                     41.   WEST LARGE               862.0000       37.4783       10.8998       118.8063   (   23)
   AREA                     42.   WEST MEDIUM              848.0000       33.9200       11.6402       135.4933   (   25)
   AREA                     43.   WEST SMALL               795.0000       31.8000       10.4323       108.8333   (   25)

  TOTAL CASES =     814
```

A-3-51

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                     SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                      32868.0000       40.3784        10.2985      106.0584    (  814)

MOTHERED                   -97.                             1131.0000       37.7000        10.9707      120.3552    (   30)
    AREA                    11.   NE LARGE                   138.0000       34.5000         6.2450       39.0000    (    4)
    AREA                    12.   NE MEDIUM                  152.0000       30.4000         2.0736        4.3000    (    5)
    AREA                    13.   NE SMALL                   125.0000       41.6667         5.8595       34.3333    (    3)
    AREA                    21.   NCENT LARGE                120.0000       40.0000         8.8882       79.0000    (    3)
    AREA                    22.   NCENT MEDIUM                36.0000       36.0000              0             0    (    1)
    AREA                    24.   NCENT RURAL                126.0000       63.0000              0             0    (    2)
    AREA                    31.   SOUTH LARGE                 84.0000       42.0000        12.7279      162.0000    (    2)
    AREA                    34.   SOUTH RURAL                 28.0000       28.0000              0             0    (    1)
    AREA                    41.   WEST LARGE                 197.0000       39.4000        10.1143      102.3000    (    5)
    AREA                    42.   WEST MEDIUM                 77.0000       38.5000        14.8492      220.5000    (    2)
    AREA                    43.   WEST SMALL                  48.0000       24.0000        12.7279      162.0000    (    2)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE     13119.0000       37.0593         8.9800       80.6395    (  354)
    AREA                    11.   NE LARGE                  1045.0000       37.3214         8.1969       67.1892    (   28)
    AREA                    12.   NE MEDIUM                 1652.0000       37.5455        10.0428      100.8584    (   44)
    AREA                    13.   NE SMALL                   782.0000       37.2381         6.7743       45.8905    (   21)
    AREA                    21.   NCENT LARGE                869.0000       34.7600         7.2874       53.1067    (   25)
    AREA                    22.   NCENT MEDIUM              1999.0000       39.9800         9.1462       83.6527    (   50)
    AREA                    24.   NCENT RURAL               1641.0000       45.5833        11.1391      124.0786    (   36)
    AREA                    31.   SOUTH LARGE                746.0000       29.8400         6.3026       39.7233    (   25)
    AREA                    33.   SOUTH SMALL                721.0000       37.9474         7.5386       56.8304    (   19)
    AREA                    34.   SOUTH RURAL               1114.0000       34.8125         5.8774       34.5444    (   32)
    AREA                    41.   WEST LARGE                 746.0000       35.5238         6.6228       43.8619    (   21)
    AREA                    42.   WEST MEDIUM                766.0000       36.4762         8.1401       66.2619    (   21)
    AREA                    43.   WEST SMALL                1038.0000       32.4375         5.7470       33.0282    (   32)

MOTHERED                     2.   HIGH SCHOOL COMPLETE     18618.0000       43.2977        10.4100      108.3691    (  430)
    AREA                    11.   NE LARGE                   978.0000       39.1200        11.6057      134.6933    (   25)
    AREA                    12.   NE MEDIUM                 1825.0000       42.4419        10.7000      114.4906    (   43)
    AREA                    13.   NE SMALL                  2336.0000       43.2593         8.3241       69.2900    (   54)
    AREA                    21.   NCENT LARGE               1448.0000       46.7097         9.7577       95.2129    (   31)
    AREA                    22.   NCENT MEDIUM              2349.0000       44.3208         8.8313       77.9913    (   53)
    AREA                    24.   NCENT RURAL               4616.0000       49.1064         8.2768       68.5047    (   94)
    AREA                    31.   SOUTH LARGE                659.0000       34.6842         8.9322       79.7836    (   19)
    AREA                    33.   SOUTH SMALL                987.0000       47.0000        13.5831      184.5000    (   21)
    AREA                    34.   SOUTH RURAL                679.0000       39.9412         3.7328       13.9338    (   17)
    AREA                    41.   WEST LARGE                 910.0000       39.5652        10.3915      107.9842    (   23)
    AREA                    42.   WEST MEDIUM               1015.0000       40.6000        10.9087      119.0000    (   25)
    AREA                    43.   WEST SMALL                 816.0000       32.6400         8.2304       67.7400    (   25)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
   BROKEN DOWN BY    MOTHERED   MOTHER EDUCATION
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                     SUM          MEAN       STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                     31725.0000       38.9742       11.4035      130.0399    (   814)

MOTHERED                   -97.                            1013.0000       33.7667       11.2761      127.1506    (    30)
   AREA                     11.   NE LARGE                  127.0000       31.7500        4.0311       16.2500    (     4)
   AREA                     12.   NE MEDIUM                 140.0000       28.0000        6.2048       38.5000    (     5)
   AREA                     13.   NE SMALL                  115.0000       38.3333        7.6376       58.3333    (     3)
   AREA                     21.   NCENT LARGE               104.0000       34.6667        9.0738       82.3333    (     3)
   AREA                     22.   NCENT MEDIUM               26.0000       26.0000             0             0    (     1)
   AREA                     24.   NCENT RURAL               116.0000       58.0000       12.7279      162.0000    (     2)
   AREA                     31.   SOUTH LARGE                79.0000       39.5000       13.4350      180.5000    (     2)
   AREA                     34.   SOUTH RURAL                27.0000       27.0000             0             0    (     1)
   AREA                     41.   WEST LARGE                138.0000       27.6000       10.2127      104.3000    (     5)
   AREA                     42.   WEST MEDIUM                82.0000       41.0000        9.8995       98.0000    (     2)
   AREA                     43.   WEST SMALL                 59.0000       29.5000       20.5061      420.5000    (     2)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE    12648.0000       35.7288       10.2310      104.6741    (   354)
   AREA                     11.   NE LARGE                 1051.0000       37.5357        8.1535       66.4802    (    28)
   AREA                     12.   NE MEDIUM                1478.0000       33.5909        8.5326       72.8055    (    44)
   AREA                     13.   NE SMALL                  755.0000       35.9524        6.8226       46.5476    (    21)
   AREA                     21.   NCENT LARGE               755.0000       30.2000        8.8365       78.0833    (    25)
   AREA                     22.   NCENT MEDIUM             1969.0000       39.3800        8.8223       77.8122    (    50)
   AREA                     24.   NCENT RURAL              1671.0000       46.4167       13.0786      171.0500    (    36)
   AREA                     31.   SOUTH LARGE               674.0000       26.9600        8.4876       72.0400    (    25)
   AREA                     33.   SOUTH SMALL               702.0000       36.9474        7.3596       54.1637    (    19)
   AREA                     34.   SOUTH RURAL               983.0000       30.7188        7.3275       53.6925    (    32)
   AREA                     41.   WEST LARGE                731.0000       34.8095       10.0430      100.8619    (    21)
   AREA                     42.   WEST MEDIUM               809.0000       38.5238       10.9710      120.3619    (    21)
   AREA                     43.   WEST SMALL               1070.0000       33.4375        7.3745       54.3831    (    32)

MOTHERED                     2.   HIGH SCHOOL COMPLETE    18064.0000       42.0093       11.4845      131.8927    (   430)
   AREA                     11.   NE LARGE                  977.0000       39.0800        8.0204       64.3267    (    25)
   AREA                     12.   NE MEDIUM                1759.0000       40.9070       12.0925      146.2292    (    43)
   AREA                     13.   NE SMALL                 2197.0000       40.6852        9.6208       92.5594    (    54)
   AREA                     21.   NCENT LARGE              1394.0000       44.9677       12.8179      164.2989    (    31)
   AREA                     22.   NCENT MEDIUM             2178.0000       41.0943        8.1176       65.8948    (    53)
   AREA                     24.   NCENT RURAL              4770.0000       50.7447       10.3871      107.8911    (    94)
   AREA                     31.   SOUTH LARGE               540.0000       28.4211        7.3206       53.5906    (    19)
   AREA                     33.   SOUTH SMALL               930.0000       44.2857       11.2434      126.4143    (    21)
   AREA                     34.   SOUTH RURAL               595.0000       35.0000        5.7879       33.5000    (    17)
   AREA                     41.   WEST LARGE                910.0000       39.5652       12.6987      161.2569    (    23)
   AREA                     42.   WEST MEDIUM               992.0000       39.6800        7.9095       62.5600    (    25)
   AREA                     43.   WEST SMALL                822.0000       32.8800        8.8144       77.6933    (    25)

  TOTAL CASES =        814
```

A-3-53

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
   BROKEN DOWN BY    MOTHERED    MOTHER EDUCATION
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE   VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                 48317.0000       59.3575       12.1889      148.5695   (  814)

MOTHERED                -97.                           1759.0000       58.6333       12.1527      147.6885   (   30)
   AREA                  11.  NE LARGE                  265.0000       66.2500        6.8007       46.2500   (    4)
   AREA                  12.  NE MEDIUM                 257.0000       51.4000        6.1887       38.3000   (    5)
   AREA                  13.  NE SMALL                  183.0000       61.0000        7.0000       49.0000   (    3)
   AREA                  21.  NCENT LARGE               177.0000       59.0000        3.6056       13.0000   (    3)
   AREA                  22.  NCENT MEDIUM               59.0000       59.0000             0             0   (    1)
   AREA                  24.  NCENT RURAL               159.0000       79.5000        3.5355       12.5000   (    2)
   AREA                  31.  SOUTH LARGE               117.0000       58.5000       12.0208      144.5000   (    2)
   AREA                  34.  SOUTH RURAL                34.0000       34.0000             0             0   (    1)
   AREA                  41.  WEST LARGE                299.0000       59.8000       17.1231      293.2000   (    5)
   AREA                  42.  WEST MEDIUM               110.0000       55.0000       16.9706      288.0000   (    2)
   AREA                  43.  WEST SMALL                 99.0000       49.5000        7.7782       60.5000   (    2)

MOTHERED                  1.  HIGH SCHOOL INCOMPLE   19541.0000       55.2006       11.1712      124.7956   (  354)
   AREA                  11.  NE LARGE                 1634.0000       58.3571       10.4215      108.6085   (   28)
   AREA                  12.  NE MEDIUM                2383.0000       54.1591       12.2739      150.6485   (   44)
   AREA                  13.  NE SMALL                 1126.0000       53.6190       11.6896      136.6476   (   21)
   AREA                  21.  NCENT LARGE              1242.0000       49.6800       11.6538      135.8100   (   25)
   AREA                  22.  NCENT MEDIUM             2906.0000       58.1200        9.8263       96.5567   (   50)
   AREA                  24.  NCENT RURAL              2264.0000       62.8889       13.2056      174.3873   (   36)
   AREA                  31.  SOUTH LARGE              1254.0000       50.1600       11.0291      121.6400   (   25)
   AREA                  33.  SOUTH SMALL              1057.0000       55.6316        8.3214       69.2456   (   19)
   AREA                  34.  SOUTH RURAL              1603.0000       50.0938        9.0922       82.6683   (   32)
   AREA                  41.  WEST LARGE               1137.0000       54.1429        9.0016       81.0286   (   21)
   AREA                  42.  WEST MEDIUM              1176.0000       56.0000        7.8549       61.7000   (   21)
   AREA                  43.  WEST SMALL               1759.0000       54.9688        9.8782       97.5796   (   32)

MOTHERED                  2.  HIGH SCHOOL COMPLETE   27017.0000       62.8302       11.9373      142.5002   (  430)
   AREA                  11.  NE LARGE                 1423.0000       56.9200       11.0940      123.0767   (   25)
   AREA                  12.  NE MEDIUM                2699.0000       62.7674       11.1991      125.4268   (   43)
   AREA                  13.  NE SMALL                 3328.0000       61.6296       10.6900      114.2753   (   54)
   AREA                  21.  NCENT LARGE              2092.0000       67.4839       12.4576      155.1914   (   31)
   AREA                  22.  NCENT MEDIUM             3356.0000       63.3208       12.1683      148.0682   (   53)
   AREA                  24.  NCENT RURAL              6541.0000       69.5851       11.2666      126.9335   (   94)
   AREA                  31.  SOUTH LARGE              1006.0000       52.9474        8.1478       66.3860   (   19)
   AREA                  33.  SOUTH SMALL              1414.0000       67.3333       11.6376      135.4333   (   21)
   AREA                  34.  SOUTH RURAL               958.0000       56.3529        5.5446       30.7426   (   17)
   AREA                  41.  WEST LARGE               1338.0000       58.1739       11.5075      132.4229   (   23)
   AREA                  42.  WEST MEDIUM              1470.0000       58.8000       10.2754      105.5833   (   25)
   AREA                  43.  WEST SMALL               1392.0000       55.6800        8.5378       72.8933   (   25)

 TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                  SUM           MEAN         STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                       52378.0000       64.3464       12.6207       159.2820     (   814)

MOTHERED                   -97.                              1801.0000       60.0333       13.5735       184.2402     (    30)
   AREA                     11.   NE LARGE                    248.0000       62.0000        3.6515        13.3333     (     4)
   AREA                     12.   NE MEDIUM                   257.0000       51.4000        8.4439        71.3000     (     5)
   AREA                     13.   NE SMALL                    184.0000       61.3333       15.5027       240.3333     (     3)
   AREA                     21.   NCENT LARGE                 186.0000       62.0000        3.4641        12.0000     (     3)
   AREA                     22.   NCENT MEDIUM                 63.0000       63.0000             0              0     (     1)
   AREA                     24.   NCENT RURAL                 180.0000       90.0000        1.4142         2.0000     (     2)
   AREA                     31.   SOUTH LARGE                 131.0000       65.5000       16.2635       264.5000     (     2)
   AREA                     34.   SOUTH RURAL                  42.0000       42.0000             0              0     (     1)
   AREA                     41.   WEST LARGE                  286.0000       57.2000       13.7550       189.2000     (     5)
   AREA                     42.   WEST MEDIUM                 106.0000       53.0000       22.6274       512.0000     (     2)
   AREA                     43.   WEST SMALL                  118.0000       59.0000       15.5563       242.0000     (     2)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE      21470.0000       60.6497       11.3652       129.1687     (   354)
   AREA                     11.   NE LARGE                   1742.0000       62.2143       10.8878       118.5450     (    28)
   AREA                     12.   NE MEDIUM                  2617.0000       59.4773       14.2902       204.2098     (    44)
   AREA                     13.   NE SMALL                   1146.0000       54.5714       13.2912       176.6571     (    21)
   AREA                     21.   NCENT LARGE                1421.0000       56.8400        8.4295        71.0567     (    25)
   AREA                     22.   NCENT MEDIUM               3290.0000       65.8000        9.1963        84.5714     (    50)
   AREA                     24.   NCENT RURAL                2479.0000       68.8611       11.1795       124.9802     (    36)
   AREA                     31.   SOUTH LARGE                1360.0000       54.4000       10.1899       103.8333     (    25)
   AREA                     33.   SOUTH SMALL                1198.0000       63.0526        4.8474        23.4971     (    19)
   AREA                     34.   SOUTH RURAL                1828.0000       57.1250        9.1078        82.9516     (    32)
   AREA                     41.   WEST LARGE                 1275.0000       60.7143        8.8156        77.7143     (    21)
   AREA                     42.   WEST MEDIUM                1200.0000       57.1429       13.2939       176.7286     (    21)
   AREA                     43.   WEST SMALL                 1914.0000       59.8125        8.9747        80.5444     (    32)

MOTHERED                     2.   HIGH SCHOOL COMPLETE      29107.0000       67.6907       12.6225       159.3284     (   430)
   AREA                     11.   NE LARGE                   1517.0000       60.6800       11.0065       121.1433     (    25)
   AREA                     12.   NE MEDIUM                  3039.0000       70.6744       12.9260       167.0819     (    43)
   AREA                     13.   NE SMALL                   3664.0000       67.8519       11.5814       134.1286     (    54)
   AREA                     21.   NCENT LARGE                2179.0000       70.2903       11.5447       133.2796     (    31)
   AREA                     22.   NCENT MEDIUM               3606.0000       68.0377       12.0335       144.8062     (    53)
   AREA                     24.   NCENT RURAL                7047.0000       74.9681        9.8652        97.3216     (    94)
   AREA                     31.   SOUTH LARGE                1085.0000       57.1053        9.6315        92.7661     (    19)
   AREA                     33.   SOUTH SMALL                1517.0000       72.2381       14.8388       220.1905     (    21)
   AREA                     34.   SOUTH RURAL                1091.0000       64.1765        8.4279        71.0294     (    17)
   AREA                     41.   WEST LARGE                 1416.0000       61.5652       11.9004       141.6206     (    23)
   AREA                     42.   WEST MEDIUM                1506.0000       60.2400       12.9399       167.4400     (    25)
   AREA                     43.   WEST SMALL                 1440.0000       57.6000        9.1697        84.0833     (    25)

  TOTAL CASES =      814
```

A-3-55

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE      VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                       24656,0000       30.2899       12,4826       155,8150     (  814)

FHOH                           1.   YES                      4563,0000       26.5291       10,4347       108,8822     (  172)
   AREA                       11.   NE LARGE                  558,0000       25.3636       12,0891       146,1472     (   22)
   AREA                       12.   NE MEDIUM                 700,0000       25.0000       10,5093       110,4444     (   28)
   AREA                       13.   NE SMALL                  399,0000       26.6000       10,8746       118,2571     (   15)
   AREA                       21.   NCENT LARGE               674,0000       28.0833        7,9887        63,8188     (   24)
   AREA                       22.   NCENT MEDIUM              493,0000       24.6500        9,0454        81,8184     (   20)
   AREA                       24.   NCENT RURAL                78,0000       19.5000        5,8023        33,6667     (    4)
   AREA                       31.   SOUTH LARGE               359,0000       22.4375       11,3194       128,1292     (   16)
   AREA                       34.   SOUTH RURAL               117,0000       19.5000        6,6558        44,3000     (    6)
   AREA                       41.   WEST LARGE                572,0000       31.7778        9,4406        89,1242     (   18)
   AREA                       42.   WEST MEDIUM               360,0000       32.7273       10,4028       108,2182     (   11)
   AREA                       43.   WEST SMALL                253,0000       31.6250       11,5627       133,6964     (    8)

FHOH                           2.   NO                      20093,0000       31.2975       12,7971       163,7663     (  642)
   AREA                       11.   NE LARGE                  959,0000       27.4000       11,2412       126,3647     (   35)
   AREA                       12.   NE MEDIUM                2114,0000       33.0313       13,5938       184,79-7     (   64)
   AREA                       13.   NE SMALL                 1938,0000       30.7619       11,5392       133,1521     (   63)
   AREA                       21.   NCENT LARGE              1358,0000       38.8000       13,1882       173,9294     (   35)
   AREA                       22.   NCENT MEDIUM             2661,0000       31.6786       12,1805       148,3653     (   84)
   AREA                       24.   NCENT RURAL              4720,0000       36.8750       12,5485       157,4646     (  128)
   AREA                       31.   SOUTH LARGE               640,0000       21.3333       10,9555       120,0230     (   30)
   AREA                       33.   SOUTH SMALL              1081,0000       27.0250       12,3215       151,8199     (   40)
   AREA                       34.   SOUTH RURAL               964,0000       21.9091        8,9672        80,4101     (   44)
   AREA                       41.   WEST LARGE               1123,0000       36.2258       11,2597       126,7806     (   31)
   AREA                       42.   WEST MEDIUM              1111,0000       30.0270       11,2410       126,3604     (   37)
   AREA                       43.   WEST SMALL               1424,0000       27.9216       10,6355       113,1137     (   51)

  TOTAL CASES =     814
```

311

312

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR       STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   FMOH        FEMALE HEAD OF HOUSEHOLD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                 CODE      VALUE LABEL                SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                       32868.0000       40.3784        10.2985       106.0584     (  814)

FMOH                            1.     YES                   6148.0000       35.7442         8.0244        64.3903     (  172)
    AREA                       11.     NE LARGE               810.0000       36.8182         7.9201        62.7273     (   22)
    AREA                       12.     NE MEDIUM              979.0000       34.9643         9.6972        94.0357     (   28)
    AREA                       13.     NE SMALL               569.0000       37.9333         7.4782        55.9238     (   15)
    AREA                       21.     NCENT LARGE            850.0000       35.4167         7.6096        57.9058     (   24)
    AREA                       22.     NCENT MEDIUM           775.0000       38.7500         6.3401        40.1974     (   20)
    AREA                       24.     NCENT RURAL            127.0000       31.7500         6.3966        40.9167     (    4)
    AREA                       31.     SOUTH LARGE            523.0000       32.6875         8.5924        73.8292     (   16)
    AREA                       34.     SOUTH RURAL            210.0000       35.0000         5.5136        30.4000     (    6)
    AREA                       41.     WEST LARGE             625.0000       34.7222         7.0528        49.7418     (   18)
    AREA                       42.     WEST MEDIUM            404.0000       36.7273        10.6404       113.2182     (   11)
    AREA                       43.     WEST SMALL             276.0000       34.5000.        7.1714        51.4286     (    8)

FMOH                            2.     NO                   26720.0000       41.6199        10.4897       110.0332     (  642)
    AREA                       11.     NE LARGE              1351.0000       38.6000        10.7051       114.6000     (   35)
    AREA                       12.     NE MEDIUM             2650.0000       41.4063        10.3659       107.4514     (   64)
    AREA                       13.     NE SMALL              2674.0000       42.4444         8.2085        67.3799     (   63)
    AREA                       21.     NCENT LARGE           1587.0000       45.3429        10.1979       103.9966     (   35)
    AREA                       22.     NCENT MEDIUM          3609.0000       42.9643         9.5859        91.8963     (   84)
    AREA                       24.     NCENT RURAL           6256.0000       48.8750         8.9671        80.4094     (  128)
    AREA                       31.     SOUTH LARGE            966.0000       32.2000         8.0704        65.1310     (   30)
    AREA                       33.     SOUTH SMALL           1708.0000       42.7000        11.9082       141.8051     (   40)
    AREA                       34.     SOUTH RURAL           1611.0000       36.6136         5.8913        34.7077     (   44)
    AREA                       41.     WEST LARGE            1228.0000       39.6129         9.5522        91.2452     (   31)
    AREA                       42.     WEST MEDIUM           1454.0000       39.2973         9.7293        94.6592     (   37)
    AREA                       43.     WEST SMALL            1626.0000       31.8824         7.1348        50.9059     (   51)

  TOTAL CASES =      814
```

A-3-57

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS1MMA      STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY    FHOH        FEMALE HEAD OF HOUSEHOLD
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                  SUM           MEAN         STD DEV         VARIANCE          N

FOR ENTIRE POPULATION                                        31725.0000       38.9742       11.4035        130.0399    (   814)

FHOH                        1.    YES                         5755.0000       33.4593        7.7046         59.3609    (   172)
   AREA                    11.    NE LARGE                     809.0000       36.7727        6.7819         45.9935    (    22)
   AREA                    12.    NE MEDIUM                    863.0000       30.8214        7.0346         49.4854    (    28)
   AREA                    13.    NE SMALL                     522.0000       34.8000        7.1933         51.7429    (    15)
   AREA                    21.    NCENT LARGE                  743.0000       30.9583        7.9808         63.6938    (    24)
   AREA                    22.    NCENT MEDIUM                 741.0000       37.0500        6.6765         44.5763    (    20)
   AREA                    24.    NCENT RURAL                  142.0000       35.5000        6.0277         36.3333    (     4)
   AREA                    31.    SOUTH LARGE                  480.0000       30.0000        6.2929         39.6000    (    16)
   AREA                    34.    SOUTH RURAL                  179.0000       29.8333        6.9113         47.7667    (     6)
   AREA                    41.    WEST LARGE                   616.0000       34.2222        7.6739         58.8889    (    18)
   AREA                    42.    WEST MEDIUM                  404.0000       36.7273       10.0309        100.6182    (    11)
   AREA                    43.    WEST SMALL                   256.0000       32.0000        8.9443         80.0000    (     8)

FHOH                        2.    NO                         25970.0000       40.4517       11.7792        138.7504    (   642)
   AREA                    11.    NE LARGE                    1346.0000       38.4571        8.6987         75.6672    (    35)
   AREA                    12.    NE MEDIUM                   2514.0000       39.2813       11.4510        131.1260    (    64)
   AREA                    13.    NE SMALL                    2545.0000       40.3968        9.1503         83.7271    (    63)
   AREA                    21.    NCENT LARGE                 1510.0000       43.1429       13.7694        189.5966    (    35)
   AREA                    22.    NCENT MEDIUM                3432.0000       40.8571        8.8060         77.5456    (    84)
   AREA                    24.    NCENT RURAL                 6415.0000       50.1172       11.1797        124.9862    (   128)
   AREA                    31.    SOUTH LARGE                  813.0000       27.1000        9.2600         85.7483    (    30)
   AREA                    33.    SOUTH SMALL                 1632.0000       40.8000       10.1784        103.6000    (    40)
   AREA                    34.    SOUTH RURAL                 1426.0000       32.4091        7.0820         50.1543    (    44)
   AREA                    41.    WEST LARGE                  1163.0000       37.5161       13.5742        184.2581    (    31)
   AREA                    42.    WEST MEDIUM                 1479.0000       39.9730        9.0262         81.4715    (    37)
   AREA                    43.    WEST SMALL                  1695.0000       33.2353        8.2839         68.6235    (    51)

  TOTAL CASES =     814
```

```
                                        A-3-58

- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    FHOH       FEMALE HEAD OF HOUSEHOLD
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE    VALUE LABEL                   SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      48317,0000       59.3575       12.1889       148,5695   (   814)

FHOH                        1.   YES                        9143,0000       53.1570        9.9674        99,3495   (   172)
   AREA                    11.   NE LARGE                   1225,0000       55.6818        9.1203        83,1797   (    22)
   AREA                    12.   NE MEDIUM                  1448,0000       51.7143       11.6392       135,4709   (    28)
   AREA                    13.   NE SMALL                    834,0000       55.6000        8.8221        77,8286   (    15)
   AREA                    21.   NCENT LARGE                1191,0000       49.6250       12.0499       145,2011   (    24)
   AREA                    22.   NCENT MEDIUM               1129,0000       56.4500        6.9318        48,0500   (    20)
   AREA                    24.   NCENT RURAL                 209,0000       52.2500        9.9121        98,2500   (     4)
   AREA                    31.   SOUTH LARGE                 815,0000       50.9375        6.0274        36,3292   (    16)
   AREA                    34.   SOUTH RURAL                 281,0000       46.8333       11.1071       123,3667   (     6)
   AREA                    41.   WEST LARGE                  948,0000       52.6667        9.6711        93,5294   (    18)
   AREA                    42.   WEST MEDIUM                 623,0000       56.6364       11.0297       121,6545   (    11)
   AREA                    43.   WEST SMALL                  440,0000       55.0000        9.9139        98,2857   (     8)

FHOH                        2.   NO                        39174,0000       61.0187       12.2005       148,8514   (   642)
   AREA                    11.   NE LARGE                   2097,0000       59.9143       11.2939       127,5513   (    35)
   AREA                    12.   NE MEDIUM                  3891,0000       60.7969       11.6007       134,5771   (    64)
   AREA                    13.   NE SMALL                   3803,0000       60.3651       11.7092       137,1065   (    63)
   AREA                    21.   NCENT LARGE                2320,0000       66.2857       12.1717       148,1513   (    35)
   AREA                    22.   NCENT MEDIUM               5192,0000       61.8095       11.8997       141,6018   (    84)
   AREA                    24.   NCENT RURAL                8755,0000       68.3984       11.9232       142,1628   (   128)
   AREA                    31.   SOUTH LARGE                1562,0000       52.0667       11.5697       133,8575   (    30)
   AREA                    33.   SOUTH SMALL                2471,0000       61.7750       11.6806       136,4353   (    40)
   AREA                    34.   SOUTH RURAL                2314,0000       52.5909        8.3869        70,3404   (    44)
   AREA                    41.   WEST LARGE                 1826,0000       58.9032       11.4145       130,2903   (    31)
   AREA                    42.   WEST MEDIUM                2133,0000       57.6486        9.0253        81,4565   (    37)
   AREA                    43.   WEST SMALL                 2810,0000       55.0980        9.1853        84,3702   (    51)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                 SUM           MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                      52378.0000       64.3464       12.6207       159.2820    (   814)

FHOH                         1.    YES                     10075.0000       58.5756       10.0786       101.5790    (   172)
   AREA                     11.    NE LARGE                 1348.0000       61.2727       10.2918       105.9221    (    22)
   AREA                     12.    NE MEDIUM                1572.0000       56.1429       11.2438       126.4233    (    28)
   AREA                     13.    NE SMALL                  838.0000       55.8667       11.9813       143.5524    (    15)
   AREA                     21.    NCENT LARGE              1404.0000       58.5000        8.8170        77.7391    (    24)
   AREA                     22.    NCENT MEDIUM             1295.0000       64.7500        9.0663        82.1974    (    20)
   AREA                     24.    NCENT RURAL               236.0000       59.0000        6.6833        44.6667    (     4)
   AREA                     31.    SOUTH LARGE               921.0000       57.5625        9.6883        93.8625    (    16)
   AREA                     34.    SOUTH RURAL               326.0000       54.3333        6.8605        47.0667    (     6)
   AREA                     41.    WEST LARGE               1037.0000       57.6111        7.0389        49.5458    (    18)
   AREA                     42.    WEST MEDIUM               623.0000       56.6364       13.6108       185.2545    (    11)
   AREA                     43.    WEST SMALL                475.0000       59.3750        8.5680        73.4107    (     8)

FHOH                         2.    NO                      42303.0000       65.8925       12.7904       163.5937    (   642)
   AREA                     11.    NE LARGE                 2159.0000       61.6857       10.7834       116.2807    (    35)
   AREA                     12.    NE MEDIUM                4341.0000       67.8281       14.6997       216.0811    (    64)
   AREA                     13.    NE SMALL                 4156.0000       65.9683       13.0544       170.4183    (    63)
   AREA                     21.    NCENT LARGE              2382.0000       68.0571       12.3168       151.7025    (    35)
   AREA                     22.    NCENT MEDIUM             5664.0000       67.4286       11.0533       122.1756    (    84)
   AREA                     24.    NCENT RURAL              9470.0000       73.9844       10.4783       109.7950    (   128)
   AREA                     31.    SOUTH LARGE              1655.0000       55.1667       10.5474       111.2471    (    30)
   AREA                     33.    SOUTH SMALL              2715.0000       67.8750       12.0558       145.3429    (    40)
   AREA                     34.    SOUTH RURAL              2635.0000       59.8864        9.8411        96.8473    (    44)
   AREA                     41.    WEST LARGE               1940.0000       62.5806       12.0852       146.0516    (    31)
   AREA                     42.    WEST MEDIUM              2189.0000       59.1622       13.2634       175.9174    (    37)
   AREA                     43.    WEST SMALL               2997.0000       58.7647        9.2835        86.1835    (    51)

  TOTAL CASES =     814
```

A-3-60

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - - -
CRITERION VARIABLE    FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                   SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      24656,0000        30.2899        12,4826       155,8150   (  814)

PRESCHOL                     1.   HS OR HS + OTHER PS       4581,0000        28.2778        11.7046       136,9969   (  162)
   AREA                     11.   NE LARGE                   546,0000        30.3333        13.2132       174,5882   (   18)
   AREA                     12.   NE MEDIUM                  309,0000        22.0714        11.6979       136,8407   (   14)
   AREA                     13.   NE SMALL                   142,0000        28.4000        10.6677       113.8000   (    5)
   AREA                     21.   NCENT LARGE                477,0000        29.8125         6.6153        43,7625   (   16)
   AREA                     22.   NCENT MEDIUM               332,0000        36.8889         9.5058        90,3611   (    9)
   AREA                     24.   NCENT RURAL               1035,0000        31.3636        12.8740       165,7386   (   33)
   AREA                     31.   SOUTH LARGE                379,0000        19.9474        11.7685       138,4971   (   19)
   AREA                     33.   SOUTH SMALL                 95,0000        23.7500         6.2383        38,9167   (    4)
   AREA                     34.   SOUTH RURAL                303,0000        23.3077         8.4989        72,2308   (   13)
   AREA                     41.   WEST LARGE                 578,0000        34.0000         9.5459        91,1250   (   17)
   AREA                     42.   WEST MEDIUM                118,0000        29.5000         7.0475        49,6667   (    4)
   AREA                     43.   WEST SMALL                 267,0000        26.7000        11.2748       127,1222   (   10)

PRESCHOL                     3.   OTHER PRESCHOOL ONLY      2363,0000        33.2817        11.2735       127,0909   (   71)
   AREA                     11.   NE LARGE                   251,0000        27.8889         9.4795        89,8611   (    9)
   AREA                     12.   NE MEDIUM                  275,0000        34.3750        16.1151       259,6964   (    8)
   AREA                     13.   NE SMALL                    83,0000        41.5000        14.8492       220,5000   (    2)
   AREA                     21.   NCENT LARGE                107,0000        35.6667         7.7675        60,3333   (    3)
   AREA                     22.   NCENT MEDIUM                96,0000        32.0000         2.0000         4,0000   (    3)
   AREA                     24.   NCENT RURAL                 80,0000        40.0000              0              0   (    2)
   AREA                     31.   SOUTH LARGE                122,0000        30.5000         9.6090        92,3333   (    4)
   AREA                     34.   SOUTH RURAL                 34,0000        34.0000              0              0   (    1)
   AREA                     41.   WEST LARGE                 647,0000        40.4375        10.0530       101,0625   (   16)
   AREA                     42.   WEST MEDIUM                280,0000        28.0000        10.8730       118,2222   (   10)
   AREA                     43.   WEST SMALL                 388,0000        29.8462        10.6132       112,6410   (   13)

PRESCHOL                     4.   NONE                     17712,0000        30.4854        12.7584       162,7778   (  581)
   AREA                     11.   NE LARGE                   720,0000        24.0000        10.6123       112,6207   (   30)
   AREA                     12.   NE MEDIUM                 2230,0000        31.8571        12.6494       160,0083   (   70)
   AREA                     13.   NE SMALL                  2112,0000        29.7465        11.4414       130,9062   (   71)
   AREA                     21.   NCENT LARGE               1448,0000        36.2000        14.1135       199,1897   (   40)
   AREA                     22.   NCENT MEDIUM              2724,0000        29.6304        12.1779       148,3015   (   92)
   AREA                     24.   NCENT RURAL               3683,0000        37.9691        12.4436       154,8428   (   97)
   AREA                     31.   SOUTH LARGE                498,0000        21.6522        10.1740       103,5099   (   23)
   AREA                     33.   SOUTH SMALL                986,0000        27.3889        12.8247       164,4730   (   36)
   AREA                     34.   SOUTH RURAL                744,0000        20.6667         8.6520        74,8571   (   36)
   AREA                     41.   WEST LARGE                 470,0000        29.3750        10.2689       105,4500   (   16)
   AREA                     42.   WEST MEDIUM               1073,0000        31.5588        11.5160       132,6176   (   34)
   AREA                     43.   WEST SMALL                1022,0000        28.3889        10.8688       118,1302   (   36)

  TOTAL CASES =     814
```

A-3-61

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                      SUM             MEAN          STD DEV         VARIANCE         N

FOR ENTIRE POPULATION                                            32868,0000          40.3784         10.2985         106,0584    (   814)

PRESCHOL                      1.   HS OR HS + OTHER PS            6187,0000          38.1914          9.8785          97,5843    (   162)
   AREA                      11.   NE LARGE                        735,0000          40.8333         11.7386         137,7941    (    18)
   AREA                      12.   NE MEDIUM                       468,0000          33.4286          8.5729          73,4945    (    14)
   AREA                      13.   NE SMALL                        188,0000          37.6000          9.9649          99,3000    (     5)
   AREA                      21.   NCENT LARGE                     603,0000          37.6875          7.3731          54,3625    (    16)
   AREA                      22.   NCENT MEDIUM                    387,0000          43.0000          8.5732          73,5000    (     9)
   AREA                      24.   NCENT RURAL                    1496,0000          45.3333         10.0021         100,0417    (    33)
   AREA                      31.   SOUTH LARGE                     609,0000          32.0526          7.8562          61,7193    (    19)
   AREA                      33.   SOUTH SMALL                     168,0000          42.0000         10.0995         102,0000    (     4)
   AREA                      34.   SOUTH RURAL                     449,0000          34.5385          5.8540          34,2692    (    13)
   AREA                      41.   WEST LARGE                      631,0000          37.1176          8.3508          69,7353    (    17)
   AREA                      42.   WEST MEDIUM                     147,0000          36.7500          6.4485          41,5833    (     4)
   AREA                      43.   WEST SMALL                      306,0000          30.6000          7.0742          50,0444    (    10)

PRESCHOL                      3.   OTHER PRESCHOOL ONLY           2756,0000          38.8169          9.7032          94,1517    (    71)
   AREA                      11.   NE LARGE                        328,0000          36.4444          8.3981          70,5278    (     9)
   AREA                      12.   NE MEDIUM                       343,0000          42.8750         12.8557         165,2679    (     8)
   AREA                      13.   NE SMALL                         83,0000          41.5000         12.0208         144,5000    (     2)
   AREA                      21.   NCENT LARGE                     144,0000          48.0000         16.7033         279,0000    (     3)
   AREA                      22.   NCENT MEDIUM                    128,0000          42.6667          7.5056          56,3333    (     3)
   AREA                      24.   NCENT RURAL                     100,0000          50.0000          4.2426          18,0000    (     2)
   AREA                      31.   SOUTH LARGE                     167,0000          41.7500         10.9049         118,9167    (     4)
   AREA                      34.   SOUTH RURAL                      39,0000          39.0000               0                0    (     1)
   AREA                      41.   WEST LARGE                      664,0000          41.5000          9.7502          95,0667    (    16)
   AREA                      42.   WEST MEDIUM                     348,0000          34.8000          5.7310          32,8444    (    10)
   AREA                      43.   WEST SMALL                      412,0000          31.6923          4.4979          20,2308    (    13)

PRESCHOL                      4.   NONE                          23925,0000          41.1790         10.3893         107,9369    (   581)
   AREA                      11.   NE LARGE                       1098,0000          36.6000          8.5605          73,2828    (    30)
   AREA                      12.   NE MEDIUM                      2818,0000          40.2571         10.3261         106,6286    (    70)
   AREA                      13.   NE SMALL                       2972,0000          41.8592          8.0893          65,4370    (    71)
   AREA                      21.   NCENT LARGE                    1690,0000          42.2500         10.7626         115,8333    (    40)
   AREA                      22.   NCENT MEDIUM                   3869,0000          42.0543          9.3578          87,5684    (    92)
   AREA                      24.   NCENT RURAL                    4787,0000          49.3505          9.0428          81,7717    (    97)
   AREA                      31.   SOUTH LARGE                     713,0000          31.0000          7.1795          51,5455    (    23)
   AREA                      33.   SOUTH SMALL                    1540,0000          42.7778         12.2150         149,2063    (    36)
   AREA                      34.   SOUTH RURAL                    1333,0000          37.0278          5.8088          33,7421    (    36)
   AREA                      41.   WEST LARGE                      558,0000          34.8750          7.9572          63,3167    (    16)
   AREA                      42.   WEST MEDIUM                    1363,0000          40.0882         10.9305         119,4768    (    34)
   AREA                      43.   WEST SMALL                     1184,0000          32.8889          7.9526          63,2444    (    36)

     TOTAL CASES =      814
```

A-3-62

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS1MMA      STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY    PRESCHOL    TYPE OF PRESCHOOL EXPERIENCE
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM           MEAN       STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                        31725.0000       38.9742       11.4035       130.0399   (   814)

PRESCHOL                     1.    HS OR HS + OTHER PS        5833.0000       36.0062       11.4829       131.8571   (   162)
   AREA                     11.    NE LARGE                    684.0000       38.0000        8.4991        72.2353   (    18)
   AREA                     12.    NE MEDIUM                   426.0000       30.4286        6.9028        47.6484   (    14)
   AREA                     13.    NE SMALL                    177.0000       35.4000        9.0167        81.3000   (     5)
   AREA                     21.    NCENT LARGE                 557.0000       34.8125        6.6354        44.0292   (    16)
   AREA                     22.    NCENT MEDIUM                366.0000       40.6667        9.6695        93.5000   (     9)
   AREA                     24.    NCENT RURAL                1545.0000       46.8182       13.3755       178.9034   (    33)
   AREA                     31.    SOUTH LARGE                 486.0000       25.5789        7.4260        55.1462   (    19)
   AREA                     33.    SOUTH SMALL                 144.0000       36.0000        8.8318        78.0000   (     4)
   AREA                     34.    SOUTH RURAL                 389.0000       29.9231        7.4326        55.2436   (    13)
   AREA                     41.    WEST LARGE                  610.0000       35.8824       10.0988       101.9953   (    17)
   AREA                     42.    WEST MEDIUM                 132.0000       33.0000        8.9069        79.3333   (     4)
   AREA                     43.    WEST SMALL                  317.0000       31.7000        9.4874        90.0111   (    10)

PRESCHOL                     3.    OTHER PRESCHOOL ONLY       2719.0000       38.2958       11.3218       128.1827   (    71)
   AREA                     11.    NE LARGE                    343.0000       38.1111        7.6884        59.1111   (     9)
   AREA                     12.    NE MEDIUM                   331.0000       41.3750       15.4267       237.9821   (     8)
   AREA                     13.    NE SMALL                     94.0000       47.0000       21.2132       450.0000   (     2)
   AREA                     21.    NCENT LARGE                 115.0000       38.3333        7.5056        56.3333   (     3)
   AREA                     22.    NCENT MEDIUM                115.0000       38.3333        4.9329        24.3333   (     3)
   AREA                     24.    NCENT RURAL                  99.0000       49.5000         .7071          .5000   (     2)
   AREA                     31.    SOUTH LARGE                 153.0000       38.2500        7.9320        62.9167   (     4)
   AREA                     34.    SOUTH RURAL                  40.0000       40.0000             0              0   (     1)
   AREA                     41.    WEST LARGE                  665.0000       41.5625       14.5875       212.7958   (    16)
   AREA                     42.    WEST MEDIUM                 339.0000       33.9000        7.1251        50.7667   (    10)
   AREA                     43.    WEST SMALL                  425.0000       32.6923        9.7073        94.2308   (    13)

PRESCHOL                     4.    NONE                      23173.0000       39.8847       11.2633       126.8608   (   581)
   AREA                     11.    NE LARGE                   1128.0000       37.6000        8.0370        64.5931   (    30)
   AREA                     12.    NE MEDIUM                  2620.0000       37.4286       10.7293       115.1180   (    70)
   AREA                     13.    NE SMALL                   2796.0000       39.3803        8.7217        76.0676   (    71)
   AREA                     21.    NCENT LARGE                1581.0000       39.5250       15.1894       230.7173   (    40)
   AREA                     22.    NCENT MEDIUM               3692.0000       40.1304        8.5860        73.7191   (    92)
   AREA                     24.    NCENT RURAL                4913.0000       50.6495       10.5693       111.7092   (    97)
   AREA                     31.    SOUTH LARGE                 654.0000       28.4348        8.1231        65.9842   (    23)
   AREA                     33.    SOUTH SMALL                1488.0000       41.3333       10.2873       105.8286   (    36)
   AREA                     34.    SOUTH RURAL                1176.0000       32.6667        6.8285        46.6286   (    36)
   AREA                     41.    WEST LARGE                  504.0000       31.5000        8.2219        67.6000   (    16)
   AREA                     42.    WEST MEDIUM                1412.0000       41.5294        9.0695        82.2567   (    34)
   AREA                     43.    WEST SMALL                 1209.0000       33.5833        7.6172        58.0214   (    36)

  TOTAL CASES =      814
```

```
                                        A-3-63

- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
   BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                 48317.0000      59.3575      12.1889      148.5695    (    814)

PRESCHOL                  1.   HS OR HS + OTHER PS     9181.0000      56.6728      12.5959      158.6563    (    162)
   AREA                  11.   NE LARGE                1140.0000      63.3333      11.0347      121.7647    (     18)
   AREA                  12.   NE MEDIUM                734.0000      52.4286       9.9593       99.1868    (     14)
   AREA                  13.   NE SMALL                 274.0000      54.8000      18.0748      326.7000    (      5)
   AREA                  21.   NCENT LARGE              816.0000      51.0000      12.8893      166.1333    (     16)
   AREA                  22.   NCENT MEDIUM             546.0000      60.6667       7.9215       62.7500    (      9)
   AREA                  24.   NCENT RURAL             2139.0000      64.8182      13.3240      177.5284    (     33)
   AREA                  31.   SOUTH LARGE              960.0000      50.5263      10.0131      100.2632    (     19)
   AREA                  33.   SOUTH SMALL              243.0000      60.7500      15.4137      237.5833    (      4)
   AREA                  34.   SOUTH RURAL              655.0000      50.3846       7.5337       56.7564    (     13)
   AREA                  41.   WEST LARGE               932.0000      54.8235      12.3250      151.9044    (     17)
   AREA                  42.   WEST MEDIUM              219.0000      54.7500       3.9476       15.5833    (      4)
   AREA                  43.   WEST SMALL               523.0000      52.3000      10.7915      116.4556    (     10)

PRESCHOL                  3.   OTHER PRESCHOOL ONLY    4115.0000      57.9577      10.2001      104.0410    (     71)
   AREA                  11.   NE LARGE                 521.0000      57.8889       9.7011       94.1111    (      9)
   AREA                  12.   NE MEDIUM                461.0000      57.6250       9.3951       88.2679    (      8)
   AREA                  13.   NE SMALL                 115.0000      57.5000      13.4350      180.5000    (      2)
   AREA                  21.   NCENT LARGE              192.0000      64.0000      12.2882      151.0000    (      3)
   AREA                  22.   NCENT MEDIUM             178.0000      59.3333       8.3865       70.3333    (      3)
   AREA                  24.   NCENT RURAL              147.0000      73.5000        .7071         .5000    (      2)
   AREA                  31.   SOUTH LARGE              244.0000      61.0000       7.1181       50.6667    (      4)
   AREA                  34.   SOUTH RURAL               53.0000      53.0000            0             0    (      1)
   AREA                  41.   WEST LARGE               948.0000      59.2500      12.5353      157.1333    (     16)
   AREA                  42.   WEST MEDIUM              527.0000      52.7000       6.0194       36.2333    (     10)
   AREA                  43.   WEST SMALL               729.0000      56.0769      10.9656      120.2436    (     13)

PRESCHOL                  4.   NONE                   35021.0000      60.2771      12.1883      148.5558    (    581)
   AREA                  11.   NE LARGE                1661.0000      55.3667       9.8032       96.1023    (     30)
   AREA                  12.   NE MEDIUM               4144.0000      59.2000      12.7967      163.7565    (     70)
   AREA                  13.   NE SMALL                4248.0000      59.8310      10.8575      117.8853    (     71)
   AREA                  21.   NCENT LARGE             2503.0000      62.5750      14.2683      203.5840    (     40)
   AREA                  22.   NCENT MEDIUM            5597.0000      60.8370      11.7111      137.1489    (     92)
   AREA                  24.   NCENT RURAL             6678.0000      68.8454      11.7334      137.6738    (     97)
   AREA                  31.   SOUTH LARGE             1173.0000      51.0000       9.7701       95.4545    (     23)
   AREA                  33.   SOUTH SMALL             2228.0000      61.8889      11.4687      131.5302    (     36)
   AREA                  34.   SOUTH RURAL             1887.0000      52.4167       9.4033       88.4214    (     36)
   AREA                  41.   WEST LARGE               894.0000      55.8750       8.0819       65.3167    (     16)
   AREA                  42.   WEST MEDIUM             2010.0000      59.1176      10.2033      104.1070    (     34)
   AREA                  43.   WEST SMALL              1998.0000      55.5000       8.1398       66.2571    (     36)

    TOTAL CASES =     814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE     VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                       52378.0000       64.3464        12.6207       159.2820   (  814)

PRESCHOL                     1.   HS OR HS + OTHER PS         9927.0000       61.2778        11.6434       135.5683   (  162)
   AREA                     11.   NE LARGE                    1178.0000       65.4444        10.1008       102.0261   (   18)
   AREA                     12.   NE MEDIUM                    805.0000       57.5000        10.1432       102.8846   (   14)
   AREA                     13.   NE SMALL                     271.0000       54.2000        17.0499       290.7000   (    5)
   AREA                     21.   NCENT LARGE                  936.0000       58.5000         8.7407        76.4000   (   16)
   AREA                     22.   NCENT MEDIUM                 577.0000       64.1111        11.8685       140.8611   (    9)
   AREA                     24.   NCENT RURAL                 2305.0000       69.8485        12.5053       156.3826   (   33)
   AREA                     31.   SOUTH LARGE                 1030.0000       54.2105         9.1140        83.0643   (   19)
   AREA                     33.   SOUTH SMALL                  259.0000       64.7500        10.6575       113.5833   (    4)
   AREA                     34.   SOUTH RURAL                  766.0000       58.9231         8.8550        78.4103   (   13)
   AREA                     41.   WEST LARGE                  1026.0000       60.3529         8.4479        71.3676   (   17)
   AREA                     42.   WEST MEDIUM                  200.0000       50.0000        13.6382       186.0000   (    4)
   AREA                     43.   WEST SMALL                   574.0000       57.4000         8.8969        79.1556   (   10)

PRESCHOL                     3.   OTHER PRESCHOOL ONLY        4387.0000       61.7887        12.2357       149.7119   (   71)
   AREA                     11.   NE LARGE                     535.0000       59.4444        11.4139       130.2778   (    9)
   AREA                     12.   NE MEDIUM                    496.0000       62.0000        16.6648       277.7143   (    8)
   AREA                     13.   NE SMALL                     139.0000       69.5000        19.0919       364.5000   (    2)
   AREA                     21.   NCENT LARGE                  193.0000       64.3333        18.4481       340.3333   (    3)
   AREA                     22.   NCENT MEDIUM                 208.0000       69.3333         5.1316        26.3333   (    3)
   AREA                     24.   NCENT RURAL                  148.0000       74.0000              0              0   (    2)
   AREA                     31.   SOUTH LARGE                  263.0000       65.7500         8.5391        72.9167   (    4)
   AREA                     34.   SOUTH RURAL                   74.0000       74.0000              0              0   (    1)
   AREA                     41.   WEST LARGE                  1018.0000       63.6250        13.0888       171.3167   (   16)
   AREA                     42.   WEST MEDIUM                  524.0000       52.4000         9.6862        93.8222   (   10)
   AREA                     43.   WEST SMALL                   789.0000       60.6923         8.8636        78.5641   (   13)

PRESCHOL                     4.   NONE                       38064.0000       65.5146        12.7582       162.7709   (  581)
   AREA                     11.   NE LARGE                    1794.0000       59.8000        10.1689       103.4069   (   30)
   AREA                     12.   NE MEDIUM                   4612.0000       65.8857        15.0068       225.2041   (   70)
   AREA                     13.   NE SMALL                    4584.0000       64.5634        12.9402       167.4495   (   71)
   AREA                     21.   NCENT LARGE                 2657.0000       66.4250        12.0913       146.1994   (   40)
   AREA                     22.   NCENT MEDIUM                6174.0000       67.1087        10.7657       115.9001   (   92)
   AREA                     24.   NCENT RURAL                 7253.0000       74.7732         9.8674        97.3647   (   97)
   AREA                     31.   SOUTH LARGE                 1283.0000       55.7826        10.7406       115.3597   (   23)
   AREA                     33.   SOUTH SMALL                 2456.0000       68.2222        12.2873       150.9778   (   36)
   AREA                     34.   SOUTH RURAL                 2121.0000       58.9167         9.8543        97.1071   (   36)
   AREA                     41.   WEST LARGE                   933.0000       58.3125        10.2093       104.2292   (   16)
   AREA                     42.   WEST MEDIUM                 2088.0000       61.4118        13.3578       178.4314   (   34)
   AREA                     43.   WEST SMALL                  2109.0000       58.5833         9.4154        88.6500   (   36)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   24656.0000       30.2899      12.4826      155.8150   (   814)

SEX                         1.   MALE                   11685.0000       28.9233      12.3092      151.5152   (   404)
   AREA                    11.   NE LARGE                 826.0000       25.8125      11.9149      141.9637   (    32)
   AREA                    12.   NE MEDIUM               1314.0000       29.2000      12.7789      163.3000   (    45)
   AREA                    13.   NE SMALL                 985.0000       28.9706      10.6643      113.7264   (    34)
   AREA                    21.   NCENT LARGE             1105.0000       36.8333      14.4009      207.3851   (    30)
   AREA                    22.   NCENT MEDIUM            1528.0000       27.2857      10.3603      107.3351   (    56)
   AREA                    24.   NCENT RURAL             2132.0000       33.8413      12.4489      154.9744   (    63)
   AREA                    31.   SOUTH LARGE              380.0000       18.0952      10.3049      106.1905   (    21)
   AREA                    33.   SOUTH SMALL              556.0000       29.2632      13.8076      190.6491   (    19)
   AREA                    34.   SOUTH RURAL              568.0000       22.7200       9.5460       91.1267   (    25)
   AREA                    41.   WEST LARGE               797.0000       34.6522      11.3762      129.4190   (    23)
   AREA                    42.   WEST MEDIUM              738.0000       28.3846      10.0601      101.2062   (    26)
   AREA                    43.   WEST SMALL               756.0000       25.2000       9.4810       89.8897   (    30)

SEX                         2.   FEMALE                 12971.0000       31.6366      12.5208      156.7698   (   410)
   AREA                    11.   NE LARGE                 691.0000       27.6400      11.1313      123.9067   (    25)
   AREA                    12.   NE MEDIUM               1500.0000       31.9149      13.6140      185.3404   (    47)
   AREA                    13.   NE SMALL                1352.0000       30.7273      12.1126      146.7146   (    44)
   AREA                    21.   NCENT LARGE              927.0000       31.9655       9.7339       94.7488   (    29)
   AREA                    22.   NCENT MEDIUM            1626.0000       33.8750      12.7507      162.5798   (    48)
   AREA                    24.   NCENT RURAL             2666.0000       38.6377      12.6630      160.3521   (    69)
   AREA                    31.   SOUTH LARGE              619.0000       24.7600      10.7714      116.0233   (    25)
   AREA                    33.   SOUTH SMALL              525.0000       25.0000      10.7424      115.4000   (    21)
   AREA                    34.   SOUTH RURAL              513.0000       20.5200       7.8056       60.9267   (    25)
   AREA                    41.   WEST LARGE               898.0000       34.5385      10.3855      107.8585   (    26)
   AREA                    42.   WEST MEDIUM              733.0000       33.3182      11.6961      136.7987   (    22)
   AREA                    43.   WEST SMALL               921.0000       31.7586      11.0926      123.0468   (    29)

  TOTAL CASES =      814
```

A-3-66

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     32868.0000        40.3784      10.2985       106.0584     (  814)

SEX                           1.   MALE                   15904.0000        39.3663       9.8399        96.8233     (  404)
   AREA                      11.   NE LARGE                1216.0000        38.0000      11.2508       126.5806     (   32)
   AREA                      12.   NE MEDIUM               1679.0000        37.3111       8.7693        76.9010     (   45)
   AREA                      13.   NE SMALL                1399.0000        41.1471       8.1245        66.0080     (   34)
   AREA                      21.   NCENT LARGE             1274.0000        42.4667      10.5560       111.4299     (   30)
   AREA                      22.   NCENT MEDIUM            2282.0000        40.7500       8.1806        66.9182     (   56)
   AREA                      24.   NCENT RURAL             2913.0000        46.2381       9.2801        86.1198     (   63)
   AREA                      31.   SOUTH LARGE              652.0000        31.0476       6.9963        48.9476     (   21)
   AREA                      33.   SOUTH SMALL              826.0000        43.4737       9.7261        94.5965     (   19)
   AREA                      34.   SOUTH RURAL              917.0000        36.6800       4.6790        21.8933     (   25)
   AREA                      41.   WEST LARGE               869.0000        37.7826      10.5441       111.1779     (   23)
   AREA                      42.   WEST MEDIUM              959.0000        36.8846       9.6637        93.3862     (   26)
   AREA                      43.   WEST SMALL               918.0000        30.6000       6.1285        37.5586     (   30)

SEX                           2.   FEMALE                 16964.0000        41.3756      10.6494       113.4087     (  410)
   AREA                      11.   NE LARGE                 945.0000        37.8000       7.4498        55.5000     (   25)
   AREA                      12.   NE MEDIUM               1950.0000        41.4894      11.7323       137.6466     (   47)
   AREA                      13.   NE SMALL                1844.0000        41.9091       8.3772        70.1776     (   44)
   AREA                      21.   NCENT LARGE             1163.0000        40.1034      10.2760       105.5961     (   29)
   AREA                      22.   NCENT MEDIUM            2102.0000        43.7917      10.0614       101.2323     (   48)
   AREA                      24.   NCENT RURAL             3470.0000        50.2899       9.0685        82.2383     (   69)
   AREA                      31.   SOUTH LARGE              837.0000        33.4800       9.0191        81.3433     (   25)
   AREA                      33.   SOUTH SMALL              882.0000        42.0000      13.7949       190.3000     (   21)
   AREA                      34.   SOUTH RURAL              904.0000        36.1600       6.8598        47.0567     (   25)
   AREA                      41.   WEST LARGE               984.0000        37.8462       7.5084        56.3754     (   26)
   AREA                      42.   WEST MEDIUM              899.0000        40.8636       9.9345        98.6948     (   22)
   AREA                      43.   WEST SMALL               984.0000        33.9310       7.7916        60.7094     (   29)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY    SEX        SEX OF CHILD
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM            MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                    31725.0000         38.9742        11.4035       130.0399    (   814)

SEX                           1.   MALE                  15846.0000         39.2228        11.6223       135.0768    (   404)
   AREA                      11.   NE LARGE               1216.0000         38.0000         7.2111        52.0000    (    32)
   AREA                      12.   NE MEDIUM              1636.0000         36.3556        11.0847       122.8707    (    45)
   AREA                      13.   NE SMALL               1290.0000         37.9412         8.6021        73.9964    (    34)
   AREA                      21.   NCENT LARGE            1252.0000         41.7333        15.6644       245.3747    (    30)
   AREA                      22.   NCENT MEDIUM           2261.0000         40.3750         7.7308        59.7659    (    56)
   AREA                      24.   NCENT RURAL            3119.0000         49.5079        12.8111       164.1249    (    63)
   AREA                      31.   SOUTH LARGE             585.0000         27.8571         7.7284        59.7286    (    21)
   AREA                      33.   SOUTH SMALL             808.0000         42.5263        10.2652       105.3743    (    19)
   AREA                      34.   SOUTH RURAL             853.0000         34.1200         5.8972        34.7767    (    25)
   AREA                      41.   WEST LARGE              874.0000         38.0000        14.0097       196.2727    (    23)
   AREA                      42.   WEST MEDIUM             970.0000         37.3077         8.4653        71.6615    (    26)
   AREA                      43.   WEST SMALL              982.0000         32.7333         8.2960        68.8230    (    30)

SEX                           2.   FEMALE                15879.0000         38.7293        11.1926       125.2737    (   410)
   AREA                      11.   NE LARGE                939.0000         37.5600         9.0419        81.7567    (    25)
   AREA                      12.   NE MEDIUM              1741.0000         37.0426        11.0078       121.1721    (    47)
   AREA                      13.   NE SMALL               1777.0000         40.3864         9.3242        86.9403    (    44)
   AREA                      21.   NCENT LARGE            1001.0000         34.5172         8.7449        76.4729    (    29)
   AREA                      22.   NCENT MEDIUM           1912.0000         39.8333         9.4786        89.8440    (    48)
   AREA                      24.   NCENT RURAL            3438.0000         49.8261         9.8756        97.5281    (    69)
   AREA                      31.   SOUTH LARGE             708.0000         28.3200         9.0633        82.1433    (    25)
   AREA                      33.   SOUTH SMALL             824.0000         39.2381        10.0891       101.7905    (    21)
   AREA                      34.   SOUTH RURAL             752.0000         30.0800         7.6153        57.9933    (    25)
   AREA                      41.   WEST LARGE              905.0000         34.8077         9.4022        88.4015    (    26)
   AREA                      42.   WEST MEDIUM             913.0000         41.5000         9.8259        96.5476    (    22)
   AREA                      43.   WEST SMALL              969.0000         33.4138         8.4495        71.3941    (    29)

  TOTAL CASES =      814
```

A-3-68

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   SEX         SEX OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   48317,0000      59.3575      12,1889      148,5695    (  814)

SEX                        1.   MALE                    23568,0000      58.3366      12,6051      158,8889    (  404)
   AREA                   11.   NE LARGE                 1865,0000      58.2813      10,2524      105,1119    (   32)
   AREA                   12.   NE MEDIUM                2524,0000      56.0889      12,0488      145,1737    (   45)
   AREA                   13.   NE SMALL                 1986,0000      58.4118      12,7994      163,8253    (   34)
   AREA                   21.   NCENT LARGE              1821,0000      60.7000      16,1654      261,3207    (   30)
   AREA                   22.   NCENT MEDIUM             3330,0000      59.4643      10,1730      103,4896    (   56)
   AREA                   24.   NCENT RURAL              4170,0000      66.1905      13,3076      177,0922    (   63)
   AREA                   31.   SOUTH LARGE              1045,0000      49.7619      12,1898      148,5905    (   21)
   AREA                   33.   SOUTH SMALL              1219,0000      64.1579      11,0668      122,4737    (   19)
   AREA                   34.   SOUTH RURAL              1242,0000      49.6800       9.1000       82,8100    (   25)
   AREA                   41.   WEST LARGE               1322,0000      57.4783      12,2692      150,5336    (   23)
   AREA                   42.   WEST MEDIUM              1502,0000      57.7692       9,4374       89,0646    (   26)
   AREA                   43.   WEST SMALL               1542,0000      51.4000       8,6007       73,9724    (   30)

SEX                        2.   FEMALE                  24749,0000      60.3634      11,6928      136,7209    (  410)
   AREA                   11.   NE LARGE                 1457,0000      58.2800      11,3046      127,7933    (   25)
   AREA                   12.   NE MEDIUM                2815,0000      59.8936      12,3557      152,6623    (   47)
   AREA                   13.   NE SMALL                 2651,0000      60.2500      10,1090      102,1919    (   44)
   AREA                   21.   NCENT LARGE              1690,0000      58.2759      12,9060      166,5640    (   29)
   AREA                   22.   NCENT MEDIUM             2991,0000      62.3125      12,4014      153,7939    (   48)
   AREA                   24.   NCENT RURAL              4794,0000      69.4783      10,8636      118,0179    (   69)
   AREA                   31.   SOUTH LARGE              1332,0000      53.2800       7,4359       55,2933    (   25)
   AREA                   33.   SOUTH SMALL              1252,0000      59.6190      12,0643      145,5476    (   21)
   AREA                   34.   SOUTH RURAL              1353,0000      54.1200       8,1206       65,9433    (   25)
   AREA                   41.   WEST LARGE               1452,0000      55.8462      10,1929      103,8954    (   26)
   AREA                   42.   WEST MEDIUM              1254,0000      57.0000       9,5718       91,6190    (   22)
   AREA                   43.   WEST SMALL               1708,0000      58.8966       8,3081       69,0246    (   29)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB     STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   SEX         SEX OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                    SUM            MEAN         STD DEV        VARIANCE          N

FOR ENTIRE POPULATION                                        52378.0000         64.3464         12.6207        159.2820     (   814)

SEX                          1.    MALE                      25815.0000         63.8985         12.6411        159.7986     (   404)
   AREA                     11.    NE LARGE                   2016.0000         63.0000         11.2048        125.5484     (    32)
   AREA                     12.    NE MEDIUM                  2849.0000         63.3111         14.0467        197.3101     (    45)
   AREA                     13.    NE SMALL                   2155.0000         63.3824         12.0404        144.9706     (    34)
   AREA                     21.    NCENT LARGE                2003.0000         66.7667         13.1848        173.8402     (    30)
   AREA                     22.    NCENT MEDIUM               3696.0000         66.0000         11.4081        130.1455     (    56)
   AREA                     24.    NCENT RURAL                4532.0000         71.9365         11.1382        124.0604     (    63)
   AREA                     31.    SOUTH LARGE                1145.0000         54.5238         10.0778        101.5619     (    21)
   AREA                     33.    SOUTH SMALL                1329.0000         69.9474         11.2570        126.7193     (    19)
   AREA                     34.    SOUTH RURAL                1463.0000         58.5200          9.0881         82.5933     (    25)
   AREA                     41.    WEST LARGE                 1396.0000         60.6957         13.2303        175.0395     (    23)
   AREA                     42.    WEST MEDIUM                1509.0000         58.0385         12.9907        168.7585     (    26)
   AREA                     43.    WEST SMALL                 1722.0000         57.4000          9.3055         86.5931     (    30)

SEX                          2.    FEMALE                    26563.0000         64.7878         12.6004        158.7690     (   410)
   AREA                     11.    NE LARGE                   1491.0000         59.6400          9.4202         88.7400     (    25)
   AREA                     12.    NE MEDIUM                  3064.0000         65.1915         15.4098        237.4625     (    47)
   AREA                     13.    NE SMALL                   2839.0000         64.5227         14.4697        209.3716     (    44)
   AREA                     21.    NCENT LARGE                1783.0000         61.4828          9.9879         99.7586     (    29)
   AREA                     22.    NCENT MEDIUM               3263.0000         67.9792          9.8488         96.9996     (    48)
   AREA                     24.    NCENT RURAL                5174.0000         74.9855         10.1104        102.2204     (    69)
   AREA                     31.    SOUTH LARGE                1431.0000         57.2400         10.3653        107.4400     (    25)
   AREA                     33.    SOUTH SMALL                1386.0000         66.0000         12.7122        161.6000     (    21)
   AREA                     34.    SOUTH RURAL                1498.0000         59.9200         10.3196        106.4933     (    25)
   AREA                     41.    WEST LARGE                 1581.0000         60.8077          8.1340         66.1615     (    26)
   AREA                     42.    WEST MEDIUM                1303.0000         59.2273         13.8080        190.6602     (    22)
   AREA                     43.    WEST SMALL                 1750.0000         60.3448          8.8369         78.0911     (    29)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                      24656.0000       30.2899       12.4826      155.8150   (    814)

AGE                           9.   FOUR AND ONE HALF          57.0000       28.5000       23.3345      544.5000   (      2)
   AREA                      11.   NE LARGE                   12.0000       12.0000             0             0   (      1)
   AREA                      12.   NE MEDIUM                  45.0000       45.0000             0             0   (      1)

AGE                          10.   FIVE                     7858.0000       27.7668       11.8197      139.7043   (    283)
   AREA                      11.   NE LARGE                  660.0000       24.4444       11.4869      131.9487   (     27)
   AREA                      12.   NE MEDIUM                 930.0000       28.1818       12.1178      146.8409   (     33)
   AREA                      13.   NE SMALL                 1083.0000       30.9429       10.7647      115.8790   (     35)
   AREA                      21.   NCENT LARGE               497.0000       27.6111        9.5557       91.3105   (     18)
   AREA                      22.   NCENT MEDIUM              876.0000       28.2581       12.2201      149.3312   (     31)
   AREA                      24.   NCENT RURAL              1237.0000       33.4324       11.6465      135.6411   (     37)
   AREA                      31.   SOUTH LARGE               375.0000       19.7368       11.4010      129.9825   (     19)
   AREA                      33.   SOUTH SMALL               327.0000       21.8000       10.7981      116.6000   (     15)
   AREA                      34.   SOUTH RURAL               354.0000       22.1250        5.6906       32.3833   (     16)
   AREA                      41.   WEST LARGE                873.0000       36.3750       11.2629      126.8533   (     24)
   AREA                      42.   WEST MEDIUM               140.0000       23.3333        9.3524       87.4667   (      6)
   AREA                      43.   WEST SMALL                506.0000       23.0000        9.9571       99.1429   (     22)

AGE                          11.   FIVE AND ONE HALF       11355.0000       30.1194       12.0248      144.5948   (    377)
   AREA                      11.   NE LARGE                  845.0000       29.1379       11.1250      123.7660   (     29)
   AREA                      12.   NE MEDIUM                1735.0000       32.1296       13.8210      191.0206   (     54)
   AREA                      13.   NE SMALL                 1057.0000       30.2000       12.6533      160.1059   (     35)
   AREA                      21.   NCENT LARGE               882.0000       35.2800       11.4183      130.3767   (     25)
   AREA                      22.   NCENT MEDIUM             1345.0000       28.6170       10.7188      114.8936   (     47)
   AREA                      24.   NCENT RURAL              1732.0000       33.9608       11.8591      140.6384   (     51)
   AREA                      31.   SOUTH LARGE               504.0000       22.9091       10.8008      116.6580   (     22)
   AREA                      33.   SOUTH SMALL               562.0000       29.5789       13.8256      191.1462   (     19)
   AREA                      34.   SOUTH RURAL               387.0000       18.4286        9.3945       88.2571   (     21)
   AREA                      41.   WEST LARGE                638.0000       31.9000        9.7436       94.9368   (     20)
   AREA                      42.   WEST MEDIUM               737.0000       28.3462        8.4897       72.0754   (     26)
   AREA                      43.   WEST SMALL                931.0000       33.2500        9.4619       89.5278   (     28)

AGE                          12.   SIX                      5028.0000       35.6596       13.6161      185.3976   (    141)
   AREA                      12.   NE MEDIUM                 104.0000       26.0000       12.1929      148.6667   (      4)
   AREA                      13.   NE SMALL                  197.0000       24.6250        8.2278       67.6964   (      8)
   AREA                      21.   NCENT LARGE               625.0000       41.6667       13.7668      189.5238   (     15)
   AREA                      22.   NCENT MEDIUM              933.0000       35.8846       12.3752      153.1462   (     26)
   AREA                      24.   NCENT RURAL              1648.0000       42.2564       13.8331      191.3536   (     39)
   AREA                      31.   SOUTH LARGE                78.0000       19.5000        5.4467       29.6667   (      4)
   AREA                      33.   SOUTH SMALL               160.0000       32.0000        6.4420       41.5000   (      5)
   AREA                      34.   SOUTH RURAL               340.0000       26.1538        9.0078       81.1410   (     13)
   AREA                      41.   WEST LARGE                157.0000       39.2500       12.3390      152.2500   (      4)
```

A-3-70 (cont.)

```
VARIABLE             CODE   VALUE LABEL               SUM          MEAN       STD DEV     VARIANCE        N

  AREA                42.  WEST MEDIUM           569.0000       37.9333     12.4411     154.7810    (   15)
  AREA                43.  WEST SMALL            217.0000       27.1250     10.9862     120.6964    (    8)

AGE                   13.  SIX AND ONE HALF      322.0000       32.2000      7.1461      51.0667    (   10)
  AREA                21.  NCENT LARGE            28.0000       28.0000           0            0    (    1)
  AREA                24.  NCENT RURAL           145.0000       36.2500      6.2383      38.9167    (    4)
  AREA                31.  SOUTH LARGE            42.0000       42.0000           0            0    (    1)
  AREA                33.  SOUTH SMALL            32.0000       32.0000           0            0    (    1)
  AREA                41.  WEST LARGE             27.0000       27.0000           0            0    (    1)
  AREA                42.  WEST MEDIUM            25.0000       25.0000           0            0    (    1)
  AREA                43.  WEST SMALL             23.0000       23.0000           0            0    (    1)

AGE                   14.  SEVEN                  36.0000       36.0000           0            0    (    1)
  AREA                24.  NCENT RURAL            36.0000       36.0000           0            0    (    1)

 TOTAL CASES =      814
```

327

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
   BROKEN DOWN BY    AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
              BY     AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                      32868.0000      40.3784       10.2985      106.0584   (   814)

AGE                         9.   FOUR AND ONE HALF            71.0000      35.5000        3.5355       12.5000   (     2)
   AREA                    11.   NE LARGE                     33.0000      33.0000             0             0   (     1)
   AREA                    12.   NE MEDIUM                    38.0000      38.0000             0             0   (     1)

AGE                        10.   FIVE                      11071.0000      39.1201        9.8070       96.1770   (   283)
   AREA                    11.   NE LARGE                    984.0000      36.4444        8.2524       68.1026   (    27)
   AREA                    12.   NE MEDIUM                  1291.0000      39.1212       11.3846      129.6098   (    33)
   AREA                    13.   NE SMALL                   1471.0000      42.0286        7.9205       62.7345   (    35)
   AREA                    21.   NCENT LARGE                 687.0000      38.1667       10.3085      106.2647   (    18)
   AREA                    22.   NCENT MEDIUM               1260.0000      40.6452       11.4936      132.1032   (    31)
   AREA                    24.   NCENT RURAL                1722.0000      46.5405        8.1636       66.6441   (    37)
   AREA                    31.   SOUTH LARGE                 630.0000      33.1579        9.3765       87.9181   (    19)
   AREA                    33.   SOUTH SMALL                 569.0000      37.9333        8.7869       77.2095   (    15)
   AREA                    34.   SOUTH RURAL                 568.0000      35.5000        5.8538       34.2667   (    16)
   AREA                    41.   WEST LARGE                  954.0000      39.7500        8.2633       68.2826   (    24)
   AREA                    42.   WEST MEDIUM                 236.0000      39.3333       10.1915      103.8667   (     6)
   AREA                    43.   WEST SMALL                  699.0000      31.7727        6.6040       43.6126   (    22)

AGE                        11.   FIVE AND ONE HALF         15057.0000      39.9390        9.8758       97.5308   (   377)
   AREA                    11.   NE LARGE                   1144.0000      39.4483       10.9139      119.1133   (    29)
   AREA                    12.   NE MEDIUM                  2161.0000      40.0185       10.4240      108.6600   (    54)
   AREA                    13.   NE SMALL                   1499.0000      42.8286        8.4557       71.4992   (    35)
   AREA                    21.   NCENT LARGE                 990.0000      39.6000        8.4853       72.0000   (    25)
   AREA                    22.   NCENT MEDIUM               1940.0000      41.2766        7.2493       52.5523   (    47)
   AREA                    24.   NCENT RURAL                2446.0000      47.9608        9.0752       82.3594   (    51)
   AREA                    31.   SOUTH LARGE                 709.0000      32.2273        7.6776       58.9459   (    22)
   AREA                    33.   SOUTH SMALL                 838.0000      44.1053       14.3484      205.8772   (    19)
   AREA                    34.   SOUTH RURAL                 749.0000      35.6667        5.4160       29.3333   (    21)
   AREA                    41.   WEST LARGE                  698.0000      34.9000        8.0322       64.5158   (    20)
   AREA                    42.   WEST MEDIUM                 943.0000      36.2692        6.6847       44.6846   (    26)
   AREA                    43.   WEST SMALL                  940.0000      33.5714        7.0102       49.1429   (    28)

AGE                        12.   SIX                        6193.0000      43.9220       11.5938      134.4153   (   141)
   AREA                    12.   NE MEDIUM                   139.0000      34.7500        5.7373       32.9167   (     4)
   AREA                    13.   NE SMALL                    273.0000      34.1250        4.4219       19.5536   (     8)
   AREA                    21.   NCENT LARGE                 717.0000      47.8000       11.4966      132.1714   (    15)
   AREA                    22.   NCENT MEDIUM               1184.0000      45.5385        8.7005       75.6985   (    26)
   AREA                    24.   NCENT RURAL                1968.0000      50.4615       10.8745      118.2551   (    39)
   AREA                    31.   SOUTH LARGE                 110.0000      27.5000        2.0817        4.3333   (     4)
   AREA                    33.   SOUTH SMALL                 246.0000      49.2000         .8367         .7000   (     5)
   AREA                    34.   SOUTH RURAL                 504.0000      38.7692        6.1935       38.3590   (    13)
   AREA                    41.   WEST LARGE                  178.0000      44.5000       11.5614      133.6667   (     4)
```

A-3-71 (cont.)

```
  VARIABLE             CODE   VALUE LABEL                SUM        MEAN     STD DEV    VARIANCE        N

   AREA                 42.  WEST MEDIUM           652.0000     43.4667     12.8889    166.1238   (   15)
   AREA                 43.  WEST SMALL            222.0000     27.7500      7.7229     59.6429   (    8)

AGE                     13.  SIX AND ONE HALF      421.0000     42.1000     10.6401    113.2111   (   10)
   AREA                 21.  NCENT LARGE            43.0000     43.0000           0           0   (    1)
   AREA                 24.  NCENT RURAL           192.0000     48.0000      6.1644     38.0000   (    4)
   AREA                 31.  SOUTH LARGE            40.0000     40.0000           0           0   (    1)
   AREA                 33.  SOUTH SMALL            55.0000     55.0000           0           0   (    1)
   AREA                 41.  WEST LARGE             23.0000     23.0000           0           0   (    1)
   AREA                 42.  WEST MEDIUM            27.0000     27.0000           0           0   (    1)
   AREA                 43.  WEST SMALL             41.0000     41.0000           0           0   (    1)

AGE                     14.  SEVEN                  55.0000     55.0000           0           0   (    1)
   AREA                 24.  NCENT RURAL            55.0000     55.0000           0           0   (    1)

  TOTAL CASES =     814
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                   SUM            MEAN         STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                    31725.0000         38.9742         11.4035       130.0399     (   814)

AGE                          9.  FOUR AND ONE HALF          59.0000         29.5000          7.7782        60.5000     (     2)
   AREA                     11.  NE LARGE                   24.0000         24.0000               0              0     (     1)
   AREA                     12.  NE MEDIUM                  35.0000         35.0000               0              0     (     1)

AGE                         10.  FIVE                    10323.0000         36.4770         10.2058       104.1582     (   283)
   AREA                     11.  NE LARGE                  991.0000         36.7037          7.7052        59.3704     (    27)
   AREA                     12.  NE MEDIUM                1143.0000         34.6364          9.7558        95.1761     (    33)
   AREA                     13.  NE SMALL                 1433.0000         40.9429          7.9961        63.9378     (    35)
   AREA                     21.  NCENT LARGE               566.0000         31.4444         10.0716       101.4379     (    18)
   AREA                     22.  NCENT MEDIUM             1165.0000         37.5806          9.0214        81.3849     (    31)
   AREA                     24.  NCENT RURAL              1714.0000         46.3243          8.3668        70.0030     (    37)
   AREA                     31.  SOUTH LARGE               518.0000         27.2632         10.1535       103.0936     (    19)
   AREA                     33.  SOUTH SMALL               553.0000         36.8667          6.9680        48.5524     (    15)
   AREA                     34.  SOUTH RURAL               493.0000         30.8125          7.8759        62.0292     (    16)
   AREA                     41.  WEST LARGE                885.0000         36.8750         11.1367       124.0272     (    24)
   AREA                     42.  WEST MEDIUM               218.0000         36.3333          9.3950        88.2667     (     6)
   AREA                     43.  WEST SMALL                644.0000         29.2727          6.8881        47.4459     (    22)

AGE                         11.  FIVE AND ONE HALF       14747.0000         39.1167         11.1485       124.2805     (   377)
   AREA                     11.  NE LARGE                 1140.0000         39.3103          7.8926        62.2931     (    29)
   AREA                     12.  NE MEDIUM                2067.0000         38.2778         11.9502       142.8082     (    54)
   AREA                     13.  NE SMALL                 1381.0000         39.4571          9.9568        99.1378     (    35)
   AREA                     21.  NCENT LARGE               945.0000         37.8000         11.5072       132.4167     (    25)
   AREA                     22.  NCENT MEDIUM             1911.0000         40.6596          8.2232        67.6207     (    47)
   AREA                     24.  NCENT RURAL              2491.0000         48.8431         11.9923       143.8149     (    51)
   AREA                     31.  SOUTH LARGE               612.0000         27.8182          6.6521        44.2511     (    22)
   AREA                     33.  SOUTH SMALL               811.0000         42.6842         11.4700       131.5614     (    19)
   AREA                     34.  SOUTH RURAL               659.0000         31.3810          7.4261        55.1476     (    21)
   AREA                     41.  WEST LARGE                720.0000         36.0000         11.4524       131.1579     (    20)
   AREA                     42.  WEST MEDIUM               993.0000         38.1923          9.4404        89.1215     (    26)
   AREA                     43.  WEST SMALL               1017.0000         36.3214          7.8977        62.3743     (    28)

AGE                         12.  SIX                      6101.0000         43.2695         12.9173       166.8554     (   141)
   AREA                     12.  NE MEDIUM                 132.0000         33.0000          3.8297        14.6667     (     4)
   AREA                     13.  NE SMALL                  253.0000         31.6250          5.1252        26.2679     (     8)
   AREA                     21.  NCENT LARGE               698.0000         46.5333         15.1698       230.1238     (    15)
   AREA                     22.  NCENT MEDIUM             1097.0000         42.1923          8.0995        65.6015     (    26)
   AREA                     24.  NCENT RURAL              2092.0000         53.6410         11.9329       142.3941     (    39)
   AREA                     31.  SOUTH LARGE               117.0000         29.2500          3.7749        14.2500     (     4)
   AREA                     33.  SOUTH SMALL               232.0000         46.4000         11.3270       128.3000     (     5)
   AREA                     34.  SOUTH RURAL               453.0000         34.8462          4.6699        21.8077     (    13)
   AREA                     41.  WEST LARGE                143.0000         35.7500         20.5649       422.9167     (     4)
```

A-3-72 (cont.)

```
                                                                                    PAGE 115

   VARIABLE             CODE    VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N

  AREA                   42.  WEST MEDIUM              638.0000       42.5333        8.8226       77.8381   (    15)
  AREA                   43.  WEST SMALL               246.0000       30.7500        8.8277       77.9286   (     8)

AGE                      13.  SIX AND ONE HALF         435.0000       43.5000       10.5225      110.7222   (    10)
  AREA                   21.  NCENT LARGE               44.0000       44.0000        0              0       (     1)
  AREA                   24.  NCENT RURAL              200.0000       50.0000       13.1403      172.6667   (     4)
  AREA                   31.  SOUTH LARGE               46.0000       46.0000        0              0       (     1)
  AREA                   33.  SOUTH SMALL               36.0000       36.0000        0              0       (     1)
  AREA                   41.  WEST LARGE                31.0000       31.0000        0              0       (     1)
  AREA                   42.  WEST MEDIUM               34.0000       34.0000        0              0       (     1)
  AREA                   43.  WEST SMALL                44.0000       44.0000        0              0       (     1)

AGE                      14.  SEVEN                     60.0000       60.0000        0              0       (     1)
  AREA                   24.  NCENT RURAL               60.0000       60.0000        0              0       (     1)

 TOTAL CASES =      814
```

A-3-73

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
   BROKEN DOWN BY    AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                  SUM            MEAN         STD DEV        VARIANCE          N

FOR ENTIRE POPULATION                                       48317.0000        59.3575        12.1889        148.5695    (   814)

AGE                          9.   FOUR AND ONE HALF           118.0000        59.0000        16.9706        288.0000    (     2)
   AREA                     11.   NE LARGE                     47.0000        47.0000              0               0    (     1)
   AREA                     12.   NE MEDIUM                    71.0000        71.0000              0               0    (     1)

AGE                         10.   FIVE                      16431.0000        58.0601        11.7204        137.3687    (   283)
   AREA                     11.   NE LARGE                   1520.0000        56.2963         9.6748         93.6011    (    27)
   AREA                     12.   NE MEDIUM                  1867.0000        56.5758        13.9464        194.5019    (    33)
   AREA                     13.   NE SMALL                   2155.0000        61.5714        11.2493        126.5462    (    35)
   AREA                     21.   NCENT LARGE                 964.0000        53.5556        16.3679        267.9085    (    18)
   AREA                     22.   NCENT MEDIUM               1826.0000        58.9032        13.0903        171.3570    (    31)
   AREA                     24.   NCENT RURAL                2424.0000        65.5135         8.8369         78.0901    (    37)
   AREA                     31.   SOUTH LARGE                1019.0000        53.6316        11.0212        121.4678    (    19)
   AREA                     33.   SOUTH SMALL                 853.0000        56.8667         9.0464         81.8381    (    15)
   AREA                     34.   SOUTH RURAL                 839.0000        52.4375         7.9914         63.8625    (    16)
   AREA                     41.   WEST LARGE                 1450.0000        60.4167         9.7531         95.1232    (    24)
   AREA                     42.   WEST MEDIUM                 349.0000        58.1667         8.9312         79.7667    (     6)
   AREA                     43.   WEST SMALL                 1165.0000        52.9545         9.1468         83.6645    (    22)

AGE                         11.   FIVE AND ONE HALF         22146.0000        58.7427        11.5703        133.8725    (   377)
   AREA                     11.   NE LARGE                   1755.0000        60.5172        11.2015        125.4729    (    29)
   AREA                     12.   NE MEDIUM                  3192.0000        59.1111        11.2948        127.5723    (    54)
   AREA                     13.   NE SMALL                   2074.0000        59.2571        11.7732        138.6084    (    35)
   AREA                     21.   NCENT LARGE                1420.0000        56.8000         9.7511         95.0833    (    25)
   AREA                     22.   NCENT MEDIUM               2819.0000        59.9787        10.1542        103.1082    (    47)
   AREA                     24.   NCENT RURAL                3440.0000        67.4510        13.4556        181.0525    (    51)
   AREA                     31.   SOUTH LARGE                1134.0000        51.5455         7.6453         58.4502    (    22)
   AREA                     33.   SOUTH SMALL                1197.0000        63.0000        13.1529        173.0000    (    19)
   AREA                     34.   SOUTH RURAL                1034.0000        49.2381         7.5822         57.4905    (    21)
   AREA                     41.   WEST LARGE                 1053.0000        52.6500         8.7916         77.2921    (    20)
   AREA                     42.   WEST MEDIUM                1432.0000        55.0769         7.8022         60.8738    (    26)
   AREA                     43.   WEST SMALL                 1596.0000        57.0000         8.7981         77.4074    (    28)

AGE                         12.   SIX                        8927.0000        63.3121        13.9013        193.2448    (   141)
   AREA                     12.   NE MEDIUM                   209.0000        52.2500        10.3722        107.5833    (     4)
   AREA                     13.   NE SMALL                    408.0000        51.0000         4.1404         17.1429    (     8)
   AREA                     21.   NCENT LARGE                1074.0000        71.6000        13.1898        173.9714    (    15)
   AREA                     22.   NCENT MEDIUM               1676.0000        64.4615        10.4966        110.1785    (    26)
   AREA                     24.   NCENT RURAL                2751.0000        70.5385        13.0965        171.5182    (    39)
   AREA                     31.   SOUTH LARGE                 161.0000        40.2500        10.0457        100.9167    (     4)
   AREA                     33.   SOUTH SMALL                 349.0000        69.8000         7.8230         61.2000    (     5)
   AREA                     34.   SOUTH RURAL                 722.0000        55.5385        10.7364        115.2692    (    13)
   AREA                     41.   WEST LARGE                  227.0000        56.7500        22.0964        488.2500    (     4)
```

```
                                                                                   PAGE  128
                                              A-3-73 (cont.)

   VARIABLE              CODE   VALUE LABEL                SUM         MEAN      STD DEV      VARIANCE       N

     AREA                 42.   WEST MEDIUM           924.0000      61.6000      11.2998      127.6857   (   15)
     AREA                 43.   WEST SMALL            426.0000      53.2500      10.4710      109.6429   (    8)

  AGE                     13.   SIX AND ONE HALF      624.0000      62.4000      12.1033      146.4889   (   10)
     AREA                 21.   NCENT LARGE            53.0000      53.0000            0             0   (    1)
     AREA                 24.   NCENT RURAL           278.0000      69.5000      12.4766      155.6667   (    4)
     AREA                 31.   SOUTH LARGE            63.0000      63.0000            0             0   (    1)
     AREA                 33.   SOUTH SMALL            72.0000      72.0000            0             0   (    1)
     AREA                 41.   WEST LARGE             44.0000      44.0000            0             0   (    1)
     AREA                 42.   WEST MEDIUM            51.0000      51.0000            0             0   (    1)
     AREA                 43.   WEST SMALL             63.0000      63.0000            0             0   (    1)

  AGE                     14.   SEVEN                  71.0000      71.0000            0             0   (    1)
     AREA                 24.   NCENT RURAL            71.0000      71.0000            0             0   (    1)

   TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM          MEAN       STD DEV     VARIANCE         N

FOR ENTIRE POPULATION                                          52378.0000     64.3464     12.6207     159.2820    (  814)

AGE                           9.   FOUR AND ONE HALF            119.0000     59.5000     20.5061     420.5000    (    2)
   AREA                      11.   NE LARGE                      45.0000     45.0000           0            0    (    1)
   AREA                      12.   NE MEDIUM                     74.0000     74.0000           0            0    (    1)

AGE                          10.   FIVE                       17806.0000     62.9187     11.6264     135.1742    (  283)
   AREA                      11.   NE LARGE                    1632.0000     60.4444     10.2894     105.8718    (   27)
   AREA                      12.   NE MEDIUM                   2082.0000     63.0909     14.0432     197.2102    (   33)
   AREA                      13.   NE SMALL                    2320.0000     66.2857     13.8321     191.3277    (   35)
   AREA                      21.   NCENT LARGE                 1081.0000     60.0556     11.0372     121.8203    (   18)
   AREA                      22.   NCENT MEDIUM                2034.0000     65.6129     10.3656     107.4452    (   31)
   AREA                      24.   NCENT RURAL                 2605.0000     70.4054      8.2545      68.1366    (   37)
   AREA                      31.   SOUTH LARGE                 1111.0000     58.4737     10.6998     114.4954    (   19)
   AREA                      33.   SOUTH SMALL                  917.0000     61.1333     11.3758     129.4095    (   15)
   AREA                      34.   SOUTH RURAL                  951.0000     59.4375      9.2518      85.5958    (   16)
   AREA                      41.   WEST LARGE                  1488.0000     62.0000     10.2618     105.3043    (   24)
   AREA                      42.   WEST MEDIUM                  346.0000     57.6667     15.8198     250.2667    (    6)
   AREA                      43.   WEST SMALL                  1239.0000     56.3182      7.5680      57.2749    (   22)

AGE                          11.   FIVE AND ONE HALF          24149.0000     64.0557     12.4285     154.4676    (  377)
   AREA                      11.   NE LARGE                    1830.0000     63.1034     10.4381     108.9532    (   29)
   AREA                      12.   NE MEDIUM                   3514.0000     65.0741     14.9387     223.1642    (   54)
   AREA                      13.   NE SMALL                    2283.0000     65.2286     11.7925     139.0639    (   35)
   AREA                      21.   NCENT LARGE                 1579.0000     63.1600     10.8539     117.8067    (   25)
   AREA                      22.   NCENT MEDIUM                3122.0000     66.4255     10.3309     106.7280    (   47)
   AREA                      24.   NCENT RURAL                 3738.0000     73.2941     10.9605     120.1318    (   51)
   AREA                      31.   SOUTH LARGE                 1210.0000     55.0000      9.0132      81.2381    (   22)
   AREA                      33.   SOUTH SMALL                 1346.0000     70.8421     11.7012     136.9181    (   19)
   AREA                      34.   SOUTH RURAL                 1183.0000     56.3333      9.5673      91.5333    (   21)
   AREA                      41.   WEST LARGE                  1150.0000     57.5000      8.6359      74.5789    (   20)
   AREA                      42.   WEST MEDIUM                 1463.0000     56.2692     11.8442     140.2846    (   26)
   AREA                      43.   WEST SMALL                  1731.0000     61.8214      9.6803      93.7077    (   28)

AGE                          12.   SIX                         9548.0000     67.7163     14.3245     205.1904    (  141)
   AREA                      12.   NE MEDIUM                    243.0000     60.7500     20.9980     440.9167    (    4)
   AREA                      13.   NE SMALL                     391.0000     48.8750      8.5597      73.2679    (    8)
   AREA                      21.   NCENT LARGE                 1059.0000     70.6000     13.0647     170.6857    (   15)
   AREA                      22.   NCENT MEDIUM                1803.0000     69.3462     11.7777     138.7154    (   26)
   AREA                      24.   NCENT RURAL                 2972.0000     76.2051     11.8902     141.3779    (   39)
   AREA                      31.   SOUTH LARGE                  182.0000     45.5000      4.4347      19.6667    (    4)
   AREA                      33.   SOUTH SMALL                  383.0000     76.6000      6.3482      40.3000    (    5)
   AREA                      34.   SOUTH RURAL                  827.0000     63.6154      9.2244      85.0897    (   13)
   AREA                      41.   WEST LARGE                   285.0000     71.2500     17.6139     310.2500    (    4)
```

A-3-74 (cont.)

```
                                                                                              PAGE  141

  VARIABLE                  CODE    VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE        N

    AREA                      42.  WEST MEDIUM              951.0000       63.4000        14.5052      210.4000   (     15)
    AREA                      43.  WEST SMALL               452.0000       56.5000         9.1183       83.1429   (      8)

AGE                           13.  SIX AND ONE HALF         676.0000       67.6000        13.0911      171.3778   (     10)
    AREA                      21.  NCENT LARGE               67.0000       67.0000              0             0   (      1)
    AREA                      24.  NCENT RURAL              311.0000       77.7500        10.9659      120.2500   (      4)
    AREA                      31.  SOUTH LARGE               73.0000       73.0000              0             0   (      1)
    AREA                      33.  SOUTH SMALL               69.0000       69.0000              0             0   (      1)
    AREA                      41.  WEST LARGE                54.0000       54.0000              0             0   (      1)
    AREA                      42.  WEST MEDIUM               52.0000       52.0000              0             0   (      1)
    AREA                      43.  WEST SMALL                50.0000       50.0000              0             0   (      1)

AGE                           14.  SEVEN                     80.0000       80.0000              0             0   (      1)
    AREA                      24.  NCENT RURAL               80.0000       80.0000              0             0   (      1)

  TOTAL CASES =       814
```

335

479

480

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
    BROKEN DOWN BY   LANGUAG   LANGUAGE SPOKEN AT HOME
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                SUM           MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    24656.0000        30.2899        12.4826       155.8150    (  814)

LANGUAG                     1.   ENGLISH                 22774.0000        30.9429        12.5375       157.1886    (  736)
   AREA                    11.   NE LARGE                 1299.0000        25.9800        11.6540       135.8159    (   50)
   AREA                    12.   NE MEDIUM                2605.0000        32.1605        12.6871       160.9614    (   81)
   AREA                    13.   NE SMALL                 2337.0000        29.9615        11.4647       131.4401    (   78)
   AREA                    21.   NCENT LARGE              2032.0000        34.4407        12.4683       155.4576    (   59)
   AREA                    22.   NCENT MEDIUM             2890.0000        31.4130        11.8555       140.5529    (   92)
   AREA                    24.   NCENT RURAL              4798.0000        36.3485        12.7423       162.3662    (  132)
   AREA                    31.   SOUTH LARGE               900.0000        21.4286        11.2340       126.2021    (   42)
   AREA                    33.   SOUTH SMALL              1081.0000        27.0250        12.3215       151.8199    (   40)
   AREA                    34.   SOUTH RURAL               580.0000        21.4815         8.2852        68.6439    (   27)
   AREA                    41.   WEST LARGE               1363.0000        34.9487        11.2763       127.1552    (   39)
   AREA                    42.   WEST MEDIUM              1471.0000        30.6458        11.0058       121.1272    (   48)
   AREA                    43.   WEST SMALL               1418.0000        29.5417        11.1240       123.7429    (   48)

LANGUAG                     2.   SPANISH                  1513.0000        23.6406         9.2296        85.1863    (   64)
   AREA                    11.   NE LARGE                  174.0000        29.0000         9.0554        82.0000    (    6)
   AREA                    12.   NE MEDIUM                   4.0000         4.0000              0              0    (    1)
   AREA                    22.   NCENT MEDIUM              264.0000        22.0000         9.2245        85.0909    (   12)
   AREA                    31.   SOUTH LARGE                99.0000        24.7500         8.1803        66.9167    (    4)
   AREA                    34.   SOUTH RURAL               501.0000        21.7826         9.3515        87.4506    (   23)
   AREA                    41.   WEST LARGE                212.0000        30.2857         7.7828        60.5714    (    7)
   AREA                    43.   WEST SMALL                259.0000        23.5455         7.4076        54.8727    (   11)

LANGUAG                     3.   OTHER                     369.0000        26.3571        13.6360       185.9396    (   14)
   AREA                    11.   NE LARGE                   44.0000        44.0000              0              0    (    1)
   AREA                    12.   NE MEDIUM                 205.0000        20.5000        10.9468       119.8333    (   10)
   AREA                    41.   WEST LARGE                120.0000        40.0000         7.9373        63.0000    (    3)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                      32868.0000     40.3784     10.2985     106.0584   (   814)

LANGUAG                     1.   ENGLISH                   30116.0000     40.9185     10.3317     106.7444   (   736)
   AREA                    11.   NE LARGE                   1898.0000     37.9600      9.6383      92.8963   (    50)
   AREA                    12.   NE MEDIUM                  3213.0000     39.6667     10.2470     105.0000   (    81)
   AREA                    13.   NE SMALL                   3243.0000     41.5769      8.2234      67.6239   (    78)
   AREA                    21.   NCENT LARGE                2437.0000     41.3051     10.3977     108.1122   (    59)
   AREA                    22.   NCENT MEDIUM               3972.0000     43.1739      8.9007      79.2222   (    92)
   AREA                    24.   NCENT RURAL                6383.0000     48.3561      9.3581      87.5745   (   132)
   AREA                    31.   SOUTH LARGE                1377.0000     32.7857      8.4234      70.9530   (    42)
   AREA                    33.   SOUTH SMALL                1708.0000     42.7000     11.9082     141.8051   (    40)
   AREA                    34.   SOUTH RURAL                 949.0000     35.1481      5.4399      29.5926   (    27)
   AREA                    41.   WEST LARGE                 1503.0000     38.5385      9.3241      86.9393   (    39)
   AREA                    42.   WEST MEDIUM                1858.0000     38.7083      9.8887      97.7855   (    48)
   AREA                    43.   WEST SMALL                 1575.0000     32.8125      7.2160      52.0705   (    48)

LANGUAG                     2.   SPANISH                    2225.0000     34.7656      7.5776      57.4204   (    64)
   AREA                    11.   NE LARGE                    227.0000     37.8333     11.8392     140.1667   (     6)
   AREA                    12.   NE MEDIUM                    32.0000     32.0000           0            0   (     1)
   AREA                    22.   NCENT MEDIUM                412.0000     34.3333      7.6198      58.0606   (    12)
   AREA                    31.   SOUTH LARGE                 112.0000     28.0000      1.4142       2.0000   (     4)
   AREA                    34.   SOUTH RURAL                 872.0000     37.9130      6.0069      36.0830   (    23)
   AREA                    41.   WEST LARGE                  243.0000     34.7143      7.0879      50.2381   (     7)
   AREA                    43.   WEST SMALL                  327.0000     29.7273      6.4821      42.0182   (    11)

LANGUAG                     3.   OTHER                       527.0000     37.6429     11.8166     139.6319   (    14)
   AREA                    11.   NE LARGE                     36.0000     36.0000           0            0   (     1)
   AREA                    12.   NE MEDIUM                   384.0000     38.4000     13.5253     182.9333   (    10)
   AREA                    41.   WEST LARGE                  107.0000     35.6667      8.6217      74.3333   (     3)

  TOTAL CASES =      814
```

337

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST OR MAT TOTAL MATH
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE              CODE     VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                     31725.0000       38.9742      11.4035      130.0399   (   814)

LANGUAG                     1.    ENGLISH                 29027.0000       39.4389      11.6518      135.7650   (   736)
   AREA                    11.    NE LARGE                 1858.0000       37.1600       7.5711       57.3208   (    50)
   AREA                    12.    NE MEDIUM                3016.0000       37.2346      11.4970      132.1818   (    81)
   AREA                    13.    NE SMALL                 3067.0000       39.3205       9.0417       81.7531   (    78)
   AREA                    21.    NCENT LARGE              2253.0000       38.1864      13.1470      172.8440   (    59)
   AREA                    22.    NCENT MEDIUM             3719.0000       40.4239       8.6230       74.3568   (    92)
   AREA                    24.    NCENT RURAL              6557.0000       49.6742      11.3282      128.3282   (   132)
   AREA                    31.    SOUTH LARGE              1172.0000       27.9048       8.6611       75.0151   (    42)
   AREA                    33.    SOUTH SMALL              1632.0000       40.8000      10.1784      103.6000   (    40)
   AREA                    34.    SOUTH RURAL               828.0000       30.6667       7.9614       63.3846   (    27)
   AREA                    41.    WEST LARGE               1446.0000       37.0769      12.3680      152.9676   (    39)
   AREA                    42.    WEST MEDIUM              1883.0000       39.2292       9.2581       85.7123   (    48)
   AREA                    43.    WEST SMALL               1596.0000       33.2500       8.5540       73.1702   (    48)

LANGUAG                     2.    SPANISH                  2228.0000       34.8125       7.4788       55.9325   (    64)
   AREA                    11.    NE LARGE                  250.0000       41.6667      10.7083      114.6667   (     6)
   AREA                    12.    NE MEDIUM                  36.0000       36.0000       0              0       (     1)
   AREA                    22.    NCENT MEDIUM              454.0000       37.8333       7.8605       61.7879   (    12)
   AREA                    31.    SOUTH LARGE               121.0000       30.2500       4.9244       24.2500   (     4)
   AREA                    34.    SOUTH RURAL               777.0000       33.7826       5.4852       30.0870   (    23)
   AREA                    41.    WEST LARGE                235.0000       33.5714       8.1620       66.6190   (     7)
   AREA                    43.    WEST SMALL                355.0000       32.2727       7.4443       55.4182   (    11)

LANGUAG                     3.    OTHER                     470.0000       33.5714       7.5214       56.5714   (    14)
   AREA                    11.    NE LARGE                   47.0000       47.0000       0              0       (     1)
   AREA                    12.    NE MEDIUM                 325.0000       32.5000       4.9046       24.0556   (    10)
   AREA                    41.    WEST LARGE                 98.0000       32.6667      12.7410      162.3333   (     3)

   TOTAL CASES =      814
```

```
----------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S -----------------
CRITERION VARIABLE   S53MR      STAND SC 3RD GR MAT TOTAL READING
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
-----------------------------------------------------------------------------------------------

    VARIABLE            CODE   VALUE LABEL             SUM           MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                              48317.0000       59.3575      12.1889     148.5695   (   814)

LANGUAG                   1.   ENGLISH             44078.0000       59.8886      12.3355     152.1644   (   736)
   AREA                  11.   NE LARGE             2910.0000       58.2000      10.9954     120.8980   (    50)
   AREA                  12.   NE MEDIUM            4734.0000       58.4444      12.2862     150.9500   (    81)
   AREA                  13.   NE SMALL             4637.0000       59.4487      11.3190     128.1207   (    78)
   AREA                  21.   NCENT LARGE          3511.0000       59.5085      14.5796     212.5646   (    59)
   AREA                  22.   NCENT MEDIUM         5666.0000       61.5870      11.4634     131.4099   (    92)
   AREA                  24.   NCENT RURAL          8964.0000       67.9091      12.1570     147.7932   (   132)
   AREA                  31.   SOUTH LARGE          2193.0000       52.2143       9.5574      91.3432   (    42)
   AREA                  33.   SOUTH SMALL          2471.0000       61.7750      11.6806     136.4353   (    40)
   AREA                  34.   SOUTH RURAL          1360.0000       50.3704       8.3073      69.0114   (    27)
   AREA                  41.   WEST LARGE           2206.0000       56.5641      12.0368     144.8839   (    39)
   AREA                  42.   WEST MEDIUM          2756.0000       57.4167       9.4054      88.4610   (    48)
   AREA                  43.   WEST SMALL           2670.0000       55.6250       9.2865      86.2394   (    48)

LANGUAG                   2.   SPANISH              3447.0000       53.8594       8.7412      76.4085   (    64)
   AREA                  11.   NE LARGE              345.0000       57.5000       8.0187      64.3000   (     6)
   AREA                  12.   NE MEDIUM              59.0000       59.0000       0            0        (     1)
   AREA                  22.   NCENT MEDIUM          655.0000       54.5833       7.6925      59.1742   (    12)
   AREA                  31.   SOUTH LARGE           184.0000       46.0000      13.5892     184.6667   (     4)
   AREA                  34.   SOUTH RURAL          1235.0000       53.6957       9.2561      85.6759   (    23)
   AREA                  41.   WEST LARGE            389.0000       55.5714       6.1875      38.2857   (     7)
   AREA                  43.   WEST SMALL            580.0000       52.7273       8.8215      77.8182   (    11)

LANGUAG                   3.   OTHER                 792.0000       56.5714      12.0302     144.7253   (    14)
   AREA                  11.   NE LARGE               67.0000       67.0000       0            0        (     1)
   AREA                  12.   NE MEDIUM             546.0000       54.6000      13.0571     170.4889   (    10)
   AREA                  41.   WEST LARGE            179.0000       59.6667       9.2376      85.3333   (     3)

  TOTAL CASES =     814
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAR    STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE              CODE    VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   52378.0000      64.3464      12.6207      159.2820    (  814)

LANGUAG                     1.   ENGLISH                47613.0000      64.6916      12.8091      164.0721    (  736)
   AREA                    11.   NE LARGE                3048.0000      60.9600      10.2737      105.5494    (   50)
   AREA                    12.   NE MEDIUM               5236.0000      64.6420      14.9008      222.0327    (   81)
   AREA                    13.   NE SMALL                4994.0000      64.0256      13.3931      179.3760    (   78)
   AREA                    21.   NCENT LARGE             3786.0000      64.1695      11.9238      142.1777    (   59)
   AREA                    22.   NCENT MEDIUM            6207.0000      67.4674      10.8915      118.6253    (   92)
   AREA                    24.   NCENT RURAL             9706.0000      73.5303      10.6824      114.1136    (  132)
   AREA                    31.   SOUTH LARGE             2389.0000      56.8810      10.1961      103.9611    (   42)
   AREA                    33.   SOUTH SMALL             2715.0000      67.8750      12.0558      145.3429    (   40)
   AREA                    34.   SOUTH RURAL             1545.0000      57.2222      10.1691      103.4103    (   27)
   AREA                    41.   WEST LARGE              2386.0000      61.1795      11.0069      121.1511    (   39)
   AREA                    42.   WEST MEDIUM             2812.0000      58.5833      13.2405      175.3121    (   48)
   AREA                    43.   WEST SMALL              2789.0000      58.1042       8.9876       80.7762    (   48)

LANGUAG                     2.   SPANISH                 3900.0000      60.9375       9.2030       84.6944    (   64)
   AREA                    11.   NE LARGE                 379.0000      63.1667      11.2679      126.9667    (    6)
   AREA                    12.   NE MEDIUM                 62.0000      62.0000            0             0    (    1)
   AREA                    22.   NCENT MEDIUM             752.0000      62.6667       8.4136       70.7879    (   12)
   AREA                    31.   SOUTH LARGE              187.0000      46.7500       4.3493       18.9167    (    4)
   AREA                    34.   SOUTH RURAL             1416.0000      61.5652       8.6331       74.5296    (   23)
   AREA                    41.   WEST LARGE               421.0000      60.1429       8.5524       73.1429    (    7)
   AREA                    43.   WEST SMALL               683.0000      62.0909       9.4176       88.6909    (   11)

LANGUAG                     3.   OTHER                    865.0000      61.7857      14.2623      203.4121    (   14)
   AREA                    11.   NE LARGE                  80.0000      80.0000            0             0    (    1)
   AREA                    12.   NE MEDIUM                615.0000      61.5000      14.2614      203.3889    (   10)
   AREA                    41.   WEST LARGE               170.0000      56.6667      14.1892      201.3333    (    3)

  TOTAL CASES =      814
```

```
                                         A-3-80

- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL              SUM           MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                  24656.0000       30.2899       12.4826       155.8150    (   814)

ETHNICTY                  -99.   UNKNOWN                  27.0000       27.0000             0              0    (     1)
   AREA                    22.   NCENT MEDIUM             27.0000       27.0000             0              0    (     1)

ETHNICTY                    1.   WHITE                 14681.0000       34.2214       12.6132       159.0934    (   429)
   AREA                    12.   NE MEDIUM              1894.0000       33.8214       13.2653       175.9675    (    56)
   AREA                    13.   NE SMALL               2011.0000       30.9385       11.6698       136.1837    (    65)
   AREA                    21.   NCENT LARGE             907.0000       43.1905       13.1325       172.4619    (    21)
   AREA                    22.   NCENT MEDIUM           1754.0000       36.5417       10.6830       114.1259    (    48)
   AREA                    24.   NCENT RURAL            4691.0000       36.9370       12.5013       156.2917    (   127)
   AREA                    31.   SOUTH LARGE             110.0000       27.5000       10.8781       118.3333    (     4)
   AREA                    33.   SOUTH SMALL             993.0000       29.2059       11.9691       143.2594    (    34)
   AREA                    34.   SOUTH RURAL             222.0000       22.2000        8.9418        79.9556    (    10)
   AREA                    41.   WEST LARGE              326.0000       46.5714        8.5802        73.6190    (     7)
   AREA                    42.   WEST MEDIUM             922.0000       34.1481       11.9122       141.9003    (    27)
   AREA                    43.   WEST SMALL              851.0000       28.3667       10.3207       106.5161    (    30)

ETHNICTY                    2.   BLACK                  7013.0000       25.5018       10.9372       119.6232    (   275)
   AREA                    11.   NE LARGE               1299.0000       25.9800       11.6540       135.8159    (    50)
   AREA                    12.   NE MEDIUM               885.0000       26.0294       11.2855       127.3627    (    34)
   AREA                    13.   NE SMALL                326.0000       25.0769        9.2778        86.0769    (    13)
   AREA                    21.   NCENT LARGE            1053.0000       29.2500        8.1709        66.7643    (    36)
   AREA                    22.   NCENT MEDIUM           1003.0000       25.7179       10.7163       114.8394    (    39)
   AREA                    24.   NCENT RURAL             107.0000       21.4000       10.2127       104.3000    (     5)
   AREA                    31.   SOUTH LARGE             749.0000       20.8056       11.5334       133.0183    (    36)
   AREA                    33.   SOUTH SMALL              88.0000       14.6667        4.8028        23.0667    (     6)
   AREA                    34.   SOUTH RURAL             358.0000       21.0588        8.1277        66.0588    (    17)
   AREA                    41.   WEST LARGE              648.0000       32.4000       11.1610       124.5684    (    20)
   AREA                    42.   WEST MEDIUM             261.0000       23.7273        8.2473        68.0182    (    11)
   AREA                    43.   WEST SMALL              236.0000       29.5000       13.7840       190.0000    (     8)

ETHNICTY                    3.   OTHER                  2935.0000       26.9266       10.3769       107.6797    (   109)
   AREA                    11.   NE LARGE                218.0000       31.1429       10.0238       100.4762    (     7)
   AREA                    12.   NE MEDIUM                35.0000       17.5000       19.0919       364.5000    (     2)
   AREA                    21.   NCENT LARGE              72.0000       36.0000       25.4558       648.0000    (     2)
   AREA                    22.   NCENT MEDIUM            370.0000       23.1250        9.7151        94.3833    (    16)
   AREA                    31.   SOUTH LARGE             140.0000       23.3333        6.7132        45.0667    (     6)
   AREA                    34.   SOUTH RURAL             501.0000       21.7826        9.3515        87.4506    (    23)
   AREA                    41.   WEST LARGE              721.0000       32.7727        8.6241        74.3745    (    22)
   AREA                    42.   WEST MEDIUM             288.0000       28.8000        6.9250        47.9556    (    10)
   AREA                    43.   WEST SMALL              590.0000       28.0952       10.6203       112.7905    (    21)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR     STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   ETHNICTY  RACE OF CHILD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                 SUM          MEAN       STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                     32868.0000       40.3784       10.2985     106.0584   (   814)

ETHNICTY                   -99.    UNKNOWN                   36.0000       36.0000             0            0   (     1)
   AREA                     22.    NCENT MEDIUM              36.0000       36.0000             0            0   (     1)

ETHNICTY                     1.    WHITE                  19068.0000       44.4476       10.1477     102.9768   (   429)
   AREA                     12.    NE MEDIUM               2386.0000       42.6071       10.5893     112.1338   (    56)
   AREA                     13.    NE SMALL                2749.0000       42.2923        7.7836      60.5951   (    65)
   AREA                     21.    NCENT LARGE             1057.0000       50.3333        7.9708      63.5333   (    21)
   AREA                     22.    NCENT MEDIUM            2174.0000       45.2917        8.7979      77.4025   (    48)
   AREA                     24.    NCENT RURAL             6192.0000       48.7559        8.9360      79.8526   (   127)
   AREA                     31.    SOUTH LARGE              160.0000       40.0000        3.7417      14.0000   (     4)
   AREA                     33.    SOUTH SMALL             1512.0000       44.4706       11.9677     143.2264   (    34)
   AREA                     34.    SOUTH RURAL              363.0000       36.3000        5.1651      26.6778   (    10)
   AREA                     41.    WEST LARGE               338.0000       48.2857       10.4994     110.2381   (     7)
   AREA                     42.    WEST MEDIUM             1160.0000       42.9630       10.2862     105.8063   (    27)
   AREA                     43.    WEST SMALL               977.0000       32.5667        8.0673      65.0816   (    30)

ETHNICTY                     2.    BLACK                   9937.0000       36.1345        8.8040      77.5110   (   275)
   AREA                     11.    NE LARGE                1898.0000       37.9600        9.6383      92.8963   (    50)
   AREA                     12.    NE MEDIUM               1171.0000       34.4412        8.6732      75.2237   (    34)
   AREA                     13.    NE SMALL                 494.0000       38.0000        9.7040      94.1667   (    13)
   AREA                     21.    NCENT LARGE             1284.0000       35.6667        7.4757      55.8857   (    36)
   AREA                     22.    NCENT MEDIUM            1611.0000       41.3077        8.6789      75.3239   (    39)
   AREA                     24.    NCENT RURAL              191.0000       38.2000       14.7885     218.7000   (     5)
   AREA                     31.    SOUTH LARGE             1168.0000       32.4444        8.4598      71.5683   (    36)
   AREA                     33.    SOUTH SMALL              196.0000       32.6667        4.3205      18.6667   (     6)
   AREA                     34.    SOUTH RURAL              586.0000       34.4706        5.6360      31.7647   (    17)
   AREA                     41.    WEST LARGE               712.0000       35.6000        8.2933      68.7789   (    20)
   AREA                     42.    WEST MEDIUM              370.0000       33.6364        6.3446      40.2545   (    11)
   AREA                     43.    WEST SMALL               256.0000       32.0000        7.1913      51.7143   (     8)

ETHNICTY                     3.    OTHER                   3827.0000       35.1101        7.3363      53.8211   (   109)
   AREA                     11.    NE LARGE                 263.0000       37.5714       10.8299     117.2857   (     7)
   AREA                     12.    NE MEDIUM                 72.0000       36.0000        5.6569      32.0000   (     2)
   AREA                     21.    NCENT LARGE               96.0000       48.0000        9.8995      98.0000   (     2)
   AREA                     22.    NCENT MEDIUM             563.0000       35.1875        7.5826      57.4958   (    16)
   AREA                     31.    SOUTH LARGE              161.0000       26.8333        2.6394       6.9667   (     6)
   AREA                     34.    SOUTH RURAL              872.0000       37.9130        6.0069      36.0830   (    23)
   AREA                     41.    WEST LARGE               803.0000       36.5000        6.8435      46.8333   (    22)
   AREA                     42.    WEST MEDIUM              328.0000       32.8000        5.9777      35.7333   (    10)
   AREA                     43.    WEST SMALL               669.0000       31.8571        5.9016      34.8286   (    21)

  TOTAL CASES =     814
```

```
                                        A-3-82

 - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMMA      STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   ETHNICTY    RACE OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE      VALUE LABEL                   SUM           MEAN         STD DEV        VARIANCE          N

FOR ENTIRE POPULATION                                       31725.0000       38.9742       11.4035        130.0399    (   814)

ETHNICTY                -99.     UNKNOWN                       29.0000       29.0000             0               0    (     1)
   AREA                  22.     NCENT MEDIUM                  29.0000       29.0000             0               0    (     1)

ETHNICTY                  1.     WHITE                      18643.0000       43.4569       11.4816        131.8282    (   429)
   AREA                  12.     NE MEDIUM                   2284.0000       40.7857       10.6493        113.4078    (    56)
   AREA                  13.     NE SMALL                    2608.0000       40.1231        9.0113         81.2034    (    65)
   AREA                  21.     NCENT LARGE                 1050.0000       50.0000       12.5897        158.5000    (    21)
   AREA                  22.     NCENT MEDIUM                1957.0000       40.7708        8.1142         65.8400    (    48)
   AREA                  24.     NCENT RURAL                 6366.0000       50.1260       10.9356        119.5872    (   127)
   AREA                  31.     SOUTH LARGE                  136.0000       34.0000       13.2916        176.6667    (     4)
   AREA                  33.     SOUTH SMALL                 1411.0000       41.5000       10.7991        116.6212    (    34)
   AREA                  34.     SOUTH RURAL                  343.0000       34.3000        8.5251         72.6778    (    10)
   AREA                  41.     WEST LARGE                   350.0000       50.0000       16.4418        270.3333    (     7)
   AREA                  42.     WEST MEDIUM                 1132.0000       41.9259        9.1354         83.4558    (    27)
   AREA                  43.     WEST SMALL                  1006.0000       33.5333        8.6532         74.8782    (    30)

ETHNICTY                  2.     BLACK                       9166.0000       33.3309        9.2039         84.7113    (   275)
   AREA                  11.     NE LARGE                    1858.0000       37.1600        7.5711         57.3208    (    50)
   AREA                  12.     NE MEDIUM                   1021.0000       30.0294        8.3575         69.8476    (    34)
   AREA                  13.     NE SMALL                     459.0000       35.3077        8.4002         70.5641    (    13)
   AREA                  21.     NCENT LARGE                 1125.0000       31.2500        7.7326         59.7929    (    36)
   AREA                  22.     NCENT MEDIUM                1580.0000       40.5128        9.0259         81.4669    (    39)
   AREA                  24.     NCENT RURAL                  191.0000       38.2000       16.2696        264.7000    (     5)
   AREA                  31.     SOUTH LARGE                  994.0000       27.6111        8.0721         65.1587    (    36)
   AREA                  33.     SOUTH SMALL                  221.0000       36.8333        4.0208         16.1667    (     6)
   AREA                  34.     SOUTH RURAL                  485.0000       28.5294        7.0011         49.0147    (    17)
   AREA                  41.     WEST LARGE                   643.0000       32.1500        9.4104         88.5553    (    20)
   AREA                  42.     WEST MEDIUM                  351.0000       31.9091        6.7150         45.0909    (    11)
   AREA                  43.     WEST SMALL                   238.0000       29.7500        8.3452         69.6429    (     8)

ETHNICTY                  3.     OTHER                       3887.0000       35.6606        8.2857         68.6522    (   109)
   AREA                  11.     NE LARGE                     297.0000       42.4286        9.9809         99.6190    (     7)
   AREA                  12.     NE MEDIUM                     72.0000       36.0000             0               0    (     2)
   AREA                  21.     NCENT LARGE                   78.0000       39.0000        9.8995         98.0000    (     2)
   AREA                  22.     NCENT MEDIUM                 607.0000       37.9375        8.5671         73.3958    (    16)
   AREA                  31.     SOUTH LARGE                  163.0000       27.1667        6.4005         40.9667    (     6)
   AREA                  34.     SOUTH RURAL                  777.0000       33.7826        5.4852         30.0870    (    23)
   AREA                  41.     WEST LARGE                   786.0000       35.7273        8.9506         80.1126    (    22)
   AREA                  42.     WEST MEDIUM                  400.0000       40.0000        8.2731         68.4444    (    10)
   AREA                  43.     WEST SMALL                   707.0000       33.6667        7.8761         62.0333    (    21)

  TOTAL CASES =      814
```

A-3-83

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    ETHNICTY    RACE OF CHILD
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE      VALUE LABEL                 SUM            MEAN         STD DEV        VARIANCE         N

FOR ENTIRE POPULATION                                   48317.0000         59.3575         12.1889        148.5695   (   814)

ETHNICTY                 -99.    UNKNOWN                   56.0000         56.0000               0               0   (     1)
   AREA                   22.    NCENT MEDIUM              56.0000         56.0000               0               0   (     1)

ETHNICTY                   1.    WHITE                  27623.0000         64.3893         11.7787        138.7303   (   429)
   AREA                   12.    NE MEDIUM               3541.0000         63.2321         11.1649        124.6542   (    56)
   AREA                   13.    NE SMALL                3971.0000         61.0923         10.6620        113.6798   (    65)
   AREA                   21.    NCENT LARGE             1505.0000         71.6667          9.9314         98.6333   (    21)
   AREA                   22.    NCENT MEDIUM            3097.0000         64.5208         12.6609        160.2974   (    48)
   AREA                   24.    NCENT RURAL             8703.0000         68.5276         11.6958        136.7909   (   127)
   AREA                   31.    SOUTH LARGE              262.0000         65.5000          5.9722         35.6667   (     4)
   AREA                   33.    SOUTH SMALL             2168.0000         63.7647         11.4125        130.2460   (    34)
   AREA                   34.    SOUTH RURAL              531.0000         53.1000          8.8876         78.9889   (    10)
   AREA                   41.    WEST LARGE               496.0000         70.8571         11.8523        140.4762   (     7)
   AREA                   42.    WEST MEDIUM             1660.0000         61.4815          9.7955         95.9516   (    27)
   AREA                   43.    WEST SMALL              1689.0000         56.3000          8.7223         76.0793   (    30)

ETHNICTY                   2.    BLACK                  14677.0000         53.3709         10.2441        104.9422   (   275)
   AREA                   11.    NE LARGE                2910.0000         58.2000         10.9954        120.8980   (    50)
   AREA                   12.    NE MEDIUM               1688.0000         49.6471          9.4256         88.8414   (    34)
   AREA                   13.    NE SMALL                 666.0000         51.2308         11.3148        128.0256   (    13)
   AREA                   21.    NCENT LARGE             1870.0000         51.9444         11.7180        137.3111   (    36)
   AREA                   22.    NCENT MEDIUM            2278.0000         58.4103          9.0079         81.1430   (    39)
   AREA                   24.    NCENT RURAL              261.0000         52.2000         14.5155        210.7000   (     5)
   AREA                   31.    SOUTH LARGE             1846.0000         51.2778          8.7948         77.3492   (    36)
   AREA                   33.    SOUTH SMALL              303.0000         50.5000          5.0100         25.1000   (     6)
   AREA                   34.    SOUTH RURAL              829.0000         48.7647          7.7663         60.3162   (    17)
   AREA                   41.    WEST LARGE              1052.0000         52.6000          9.6431         92.9895   (    20)
   AREA                   42.    WEST MEDIUM              557.0000         50.6364          3.9818         15.8545   (    11)
   AREA                   43.    WEST SMALL               417.0000         52.1250          8.1493         66.4107   (     8)

ETHNICTY                   3.    OTHER                   5961.0000         54.6881          9.4022         88.4018   (   109)
   AREA                   11.    NE LARGE                 412.0000         58.8571          8.1533         66.4762   (     7)
   AREA                   12.    NE MEDIUM                110.0000         55.0000          5.6569         32.0000   (     2)
   AREA                   21.    NCENT LARGE              136.0000         68.0000         15.5563        242.0000   (     2)
   AREA                   22.    NCENT MEDIUM             890.0000         55.6250          8.8459         78.2500   (    16)
   AREA                   31.    SOUTH LARGE              269.0060         44.8333         10.7223        114.9667   (     6)
   AREA                   34.    SOUTH RURAL             1235.0000         53.6957          9.2561         85.6759   (    23)
   AREA                   41.    WEST LARGE              1226.0000         55.7273          8.6530         74.8745   (    22)
   AREA                   42.    WEST MEDIUM              539.0000         53.9000          6.9033         47.6556   (    10)
   AREA                   43.    WEST SMALL              1144.0000         54.4762         10.2792        105.6619   (    21)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB     STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   ETHNICTY    RACE OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                 SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      52378.0000       64.3464        12.6207       159.2820   (  814)

ETHNICTY                    -99.   UNKNOWN                    44.0000       44.0000              0              0   (    1)
    AREA                     22.   NCENT MEDIUM               44.0000       44.0000              0              0   (    1)

ETHNICTY                      1.   WHITE                   29562.0000       68.9091        12.7075       161.4800   (  429)
    AREA                     12.   NE MEDIUM                3924.0000       70.0714        13.8602       192.1039   (   56)
    AREA                     13.   NE SMALL                 4294.0000       66.0615        13.0359       169.9337   (   65)
    AREA                     21.   NCENT LARGE              1537.0000       73.1905        10.1618       103.2619   (   21)
    AREA                     22.   NCENT MEDIUM             3289.0000       68.5208        11.6819       136.4676   (   48)
    AREA                     24.   NCENT RURAL              9395.0000       73.9764        10.2062       104.1661   (  127)
    AREA                     31.   SOUTH LARGE               259.0000       64.7500         9.5350        90.9167   (    4)
    AREA                     33.   SOUTH SMALL              2349.0000       69.0882        12.5175       156.6889   (   34)
    AREA                     34.   SOUTH RURAL               568.0000       56.8000        13.3899       179.2889   (   10)
    AREA                     41.   WEST LARGE                523.0000       74.7143        12.9963       168.9048   (    7)
    AREA                     42.   WEST MEDIUM              1699.0000       62.9259        13.2082       174.4558   (   27)
    AREA                     43.   WEST SMALL               1725.0000       57.5000         9.3983        88.3276   (   30)

ETHNICTY                      2.   BLACK                   16144.0000       58.7055        10.5126       110.5151   (  275)
    AREA                     11.   NE LARGE                 3048.0000       60.9600        10.2737       105.5494   (   50)
    AREA                     12.   NE MEDIUM                1863.0000       54.7941        11.2513       126.5927   (   34)
    AREA                     13.   NE SMALL                  700.0000       53.8462        10.4869       109.9744   (   13)
    AREA                     21.   NCENT LARGE              2117.0000       58.8056         9.1302        83.3611   (   36)
    AREA                     22.   NCENT MEDIUM             2608.0000       66.8718         9.3673        87.7463   (   39)
    AREA                     24.   NCENT RURAL               311.0000       62.2000        17.0059       289.2000   (    5)
    AREA                     31.   SOUTH LARGE              2031.0000       56.4167         9.9725        99.4500   (   36)
    AREA                     33.   SOUTH SMALL               366.0000       61.0000         5.7271        32.8000   (    6)
    AREA                     34.   SOUTH RURAL               977.0000       57.4706         8.1863        67.0147   (   17)
    AREA                     41.   WEST LARGE               1131.0000       56.5500         7.4160        54.9974   (   20)
    AREA                     42.   WEST MEDIUM               542.0000       49.2727         9.4878        90.0182   (   11)
    AREA                     43.   WEST SMALL                450.0000       56.2500         7.8513        61.6429   (    8)

ETHNICTY                      3.   OTHER                    6628.0000       60.8073         9.[illegible]261        98.5274   (  109)
    AREA                     11.   NE LARGE                  459.0000       65.5714        12.0949       146.2857   (    7)
    AREA                     12.   NE MEDIUM                 126.0000       63.0000         1.4142         2.0000   (    2)
    AREA                     21.   NCENT LARGE               132.0000       66.0000        22.6274       512.0000   (    2)
    AREA                     22.   NCENT MEDIUM             1018.0000       63.6250         9.1205        83.1833   (   16)
    AREA                     31.   SOUTH LARGE               286.0000       47.6667         6.5013        42.2667   (    6)
    AREA                     34.   SOUTH RURAL              1416.0000       61.5652         8.6331        74.5296   (   23)
    AREA                     41.   WEST LARGE               1323.0000       60.1364         9.0517        81.9329   (   22)
    AREA                     42.   WEST MEDIUM               571.0000       57.1000        12.1056       146.5444   (   10)
    AREA                     43.   WEST SMALL               1297.0000       61.7619         8.7915        77.2905   (   21)

   TOTAL CASES =     814
```

A-3-85

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
   BROKEN DOWN BY    MOVES     NO. OF SCHOOL TRANSFERS
               BY    AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE    VALUE LABEL                SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                 24656.0000       30.2899       12.4826       155.8150    (   814)

MOVES                      0                          18465.0000       30.2209       12.3649       152.8964    (   611)
   AREA                  11.    NE LARGE               1432.0000       26.5185       11.3033       127.7638    (    54)
   AREA                  12.    NE MEDIUM              2193.0000       30.4583       13.2132       174.5898    (    72)
   AREA                  13.    NE SMALL                936.0000       29.2500       11.1702       124.7742    (    32)
   AREA                  21.    NCENT LARGE            1842.0000       34.7547       12.8735       165.7271    (    53)
   AREA                  22.    NCENT MEDIUM           2854.0000       30.0421       12.1663       148.0195    (    95)
   AREA                  24.    NCENT RURAL            2601.0000       36.6338       11.5341       133.0354    (    71)
   AREA                  31.    SOUTH LARGE             741.0000       23.1563       12.1949       148.7167    (    32)
   AREA                  33.    SOUTH SMALL             599.0000       28.5238       13.5411       183.3619    (    21)
   AREA                  34.    SOUTH RURAL             946.0000       21.5000        8.8594        78.4884    (    44)
   AREA                  41.    WEST LARGE             1506.0000       35.8571       10.1443       102.9059    (    42)
   AREA                  42.    WEST MEDIUM            1387.0000       30.8222       11.0829       122.8313    (    45)
   AREA                  43.    WEST SMALL             1428.0000       28.5600       10.9062       118.9453    (    50)

MOVES                     1.                           4837.0000       30.8089       12.8548       165.2453    (   157)
   AREA                  11.    NE LARGE                 67.0000       33.5000       21.9203       480.5000    (     2)
   AREA                  12.    NE MEDIUM               621.0000       31.0500       13.5315       183.1026    (    20)
   AREA                  13.    NE SMALL               1001.0000       33.3667       12.9308       167.2057    (    30)
   AREA                  21.    NCENT LARGE             190.0000       31.6667        8.3347        69.4667    (     6)
   AREA                  22.    NCENT MEDIUM            230.0000       32.8571        9.3886        88.1429    (     7)
   AREA                  24.    NCENT RURAL            1609.0000       34.2340       13.7575       189.2701    (    47)
   AREA                  31.    SOUTH LARGE              79.0000       15.8000        3.7683        14.2000    (     5)
   AREA                  33.    SOUTH SMALL             383.0000       25.5333       12.1295       147.1238    (    15)
   AREA                  34.    SOUTH RURAL             135.0000       22.5000        8.1179        65.9000    (     6)
   AREA                  41.    WEST LARGE              189.0000       27.0000       11.9304       142.3333    (     7)
   AREA                  42.    WEST MEDIUM              84.0000       28.0000       11.5326       133.0000    (     3)
   AREA                  43.    WEST SMALL              249.0000       27.6667       10.3199       106.5000    (     9)

MOVES                     2.                           1088.0000       27.8974       12.2449       149.9366    (    39)
   AREA                  11.    NE LARGE                 18.0000       18.0000             0              0    (     1)
   AREA                  13.    NE SMALL                400.0000       25.0000        6.5625        43.0667    (    16)
   AREA                  22.    NCENT MEDIUM             70.0000       35.0000       11.3137       128.0000    (     2)
   AREA                  24.    NCENT RURAL             379.0000       42.1111       14.1018       198.8611    (     9)
   AREA                  31.    SOUTH LARGE             179.0000       19.8889        7.7208        59.6111    (     9)
   AREA                  33.    SOUTH SMALL              42.0000       21.0000        5.6569        32.0000    (     2)

MOVES                     3.                            266.0000       38.0000       14.4568       209.0000    (     7)
   AREA                  24.    NCENT RURAL             209.0000       41.8000       15.7861       249.2000    (     5)
   AREA                  33.    SOUTH SMALL              57.0000       28.5000        2.1213         4.5000    (     2)

  TOTAL CASES =     814
```

A-3-86

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE      VALUE LABEL                      SUM           MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                           32868.0000        40.3784        10.2985       106.0584   (   814)

MOVES                          0                                24531.0000        40.1489        10.0604       101.2122   (   611)
   AREA                      11.    NE LARGE                     2045.0000        37.8704         9.8231        96.4923   (    54)
   AREA                      12.    NE MEDIUM                    2839.0000        39.4306        10.5508       111.3191   (    72)
   AREA                      13.    NE SMALL                     1293.0000        40.4063         8.4733        71.7974   (    32)
   AREA                      21.    NCENT LARGE                  2208.0000        41.6604        10.6644       113.7286   (    53)
   AREA                      22.    NCENT MEDIUM                 4043.0000        42.5579         9.3042        86.5684   (    95)
   AREA                      24.    NCENT RURAL                  3399.0000        47.8732         8.2392        67.8837   (    71)
   AREA                      31.    SOUTH LARGE                  1081.0000        33.7813         8.6238        74.3700   (    32)
   AREA                      33.    SOUTH SMALL                   961.0000        45.7619        13.8235       191.0905   (    21)
   AREA                      34.    SOUTH RURAL                  1610.0000        36.5909         5.8481        34.2008   (    44)
   AREA                      41.    WEST LARGE                   1657.0000        39.4524         7.9240        62.7904   (    42)
   AREA                      42.    WEST MEDIUM                  1754.0000        38.9778         9.9419        98.8404   (    45)
   AREA                      43.    WEST SMALL                   1641.0000        32.8200         7.3670        54.2731   (    50)

MOVES                         1.                                 6425.0000        40.9236        10.8855       118.4941   (   157)
   AREA                      11.    NE LARGE                       73.0000        36.5000        10.6066       112.5000   (     2)
   AREA                      12.    NE MEDIUM                     790.0000        39.5000        10.7923       116.4737   (    20)
   AREA                      13.    NE SMALL                     1341.0000        44.7000         7.4932        56.1483   (    30)
   AREA                      21.    NCENT LARGE                   229.0000        38.1667         7.6267        58.1667   (     6)
   AREA                      22.    NCENT MEDIUM                  260.0000        37.1429         7.1047        50.4762   (     7)
   AREA                      24.    NCENT RURAL                  2237.0000        47.5957        10.8661       118.0722   (    47)
   AREA                      31.    SOUTH LARGE                   142.0000        28.4000         3.9749        15.8000   (     5)
   AREA                      33.    SOUTH SMALL                   581.0000        38.7333         8.5729        73.4952   (    15)
   AREA                      34.    SOUTH RURAL                   211.0000        35.1667         5.9470        35.3667   (     6)
   AREA                      41.    WEST LARGE                    196.0000        28.0000         9.0738        82.3333   (     7)
   AREA                      42.    WEST MEDIUM                   104.0000        34.6667         9.8658        97.3333   (     3)
   AREA                      43.    WEST SMALL                    261.0000        29.0000         4.7697        22.7500   (     9)

MOVES                         2.                                 1567.0000        40.1795        11.5960       134.4669   (    39)
   AREA                      11.    NE LARGE                       43.0000        43.0000              0              0   (     1)
   AREA                      13.    NE SMALL                      609.0000        38.0625         7.3889        54.5958   (    16)
   AREA                      22.    NCENT MEDIUM                   81.0000        40.5000         6.3640        40.5000   (     2)
   AREA                      24.    NCENT RURAL                   499.0000        55.4444         8.1870        67.0278   (     9)
   AREA                      31.    SOUTH LARGE                   266.0000        29.5556         7.2130        52.0278   (     9)
   AREA                      33.    SOUTH SMALL                    69.0000        34.5000         6.3640        40.5000   (     2)

MOVES                         3.                                  345.0000        49.2857         6.5247        42.5714   (     7)
   AREA                      24.    NCENT RURAL                   248.0000        49.6000         7.8930        62.3000   (     5)
   AREA                      33.    SOUTH SMALL                    97.0000        48.5000         2.1213         4.5000   (     2)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE      VALUE LABEL              SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                  31725.0000       38.9742       11.4035       130.0399    (   814)

MOVES                        0                         23543.0000       38.5319       10.6127       112.6297    (   611)
   AREA                     11.   NE LARGE              2020.0000       37.4074        7.6022        57.7932    (    54)
   AREA                     12.   NE MEDIUM             2668.0000       37.0556       10.8821       118.4194    (    72)
   AREA                     13.   NE SMALL              1270.0000       39.6875        8.0580        64.9315    (    32)
   AREA                     21.   NCENT LARGE           2043.0000       38.5472       13.5229       182.8679    (    53)
   AREA                     22.   NCENT MEDIUM          3846.0000       40.4842        8.4951        72.1673    (    95)
   AREA                     24.   NCENT RURAL           3412.0000       48.0563        9.1790        84.2539    (    71)
   AREA                     31.   SOUTH LARGE            936.0000       29.2500        9.1334        83.4194    (    32)
   AREA                     33.   SOUTH SMALL            910.0000       43.3333       10.7440       115.4333    (    21)
   AREA                     34.   SOUTH RURAL           1465.0000       33.2955        6.3267        40.0270    (    44)
   AREA                     41.   WEST LARGE            1570.0000       37.3810       11.9286       142.2904    (    42)
   AREA                     42.   WEST MEDIUM           1764.0000       39.2000        9.3750        87.8909    (    45)
   AREA                     43.   WEST SMALL            1639.0000       32.7800        8.4087        70.7057    (    50)

MOVES                        1.                         6285.0000       40.0318       12.8918       166.1977    (   157)
   AREA                     11.   NE LARGE                75.0000       37.5000        3.5355        12.5000    (     2)
   AREA                     12.   NE MEDIUM              709.0000       35.4500       11.5689       133.8395    (    20)
   AREA                     13.   NE SMALL              1249.0000       41.6333       10.4995       110.2402    (    30)
   AREA                     21.   NCENT LARGE            210.0000       35.0000        9.4657        89.6000    (     6)
   AREA                     22.   NCENT MEDIUM           244.0000       34.8571        5.9281        35.1429    (     7)
   AREA                     24.   NCENT RURAL           2327.0000       49.5106       13.0582       170.5162    (    47)
   AREA                     31.   SOUTH LARGE            119.0000       23.8000        6.3008        39.7000    (     5)
   AREA                     33.   SOUTH SMALL            572.0000       38.1333        8.7739        76.9810    (    15)
   AREA                     34.   SOUTH RURAL            140.0000       23.3333        6.0882        37.0667    (     6)
   AREA                     41.   WEST LARGE             209.0000       29.8571        8.9336        79.8095    (     7)
   AREA                     42.   WEST MEDIUM            119.0000       39.6667        8.9629        80.3333    (     3)
   AREA                     43.   WEST SMALL             312.0000       34.6667        7.9844        63.7500    (     9)

MOVES                        2.                         1524.0000       39.0769       14.5519       211.7571    (    39)
   AREA                     11.   NE LARGE                60.0000       60.0000             0              0    (     1)
   AREA                     13.   NE SMALL               548.0000       34.2500        5.8252        33.9333    (    16)
   AREA                     22.   NCENT MEDIUM            83.0000       41.5000       17.6777       312.5000    (     2)
   AREA                     24.   NCENT RURAL            533.0000       59.2222       10.7212       114.9444    (     9)
   AREA                     31.   SOUTH LARGE            238.0000       26.4444        5.7470        33.0278    (     9)
   AREA                     33.   SOUTH SMALL             62.0000       31.0000             0              0    (     2)

MOVES                        3.                          373.0000       53.2857       14.8067       219.2381    (     7)
   AREA                     24.   NCENT RURAL            285.0000       57.0000       14.7817       218.5000    (     5)
   AREA                     33.   SOUTH SMALL             88.0000       44.0000       14.1421       200.0000    (     2)

  TOTAL CASES =       814
```

A-3-88

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                   SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                          48317,0000     59.3575     12.1889      148,5695     (   814)

MOVES                        0                                 36221,0000     59.2815     11.5413      133,2026     (   611)
   AREA                     11.   NE LARGE                      3163,0000     58.5741     10.7941      116,5133     (    54)
   AREA                     12.   NE MEDIUM                     4196,0000     58.2778     12.0600      145,4429     (    72)
   AREA                     13.   NE SMALL                      1917,0000     59.9063     11.6407      135,5071     (    32)
   AREA                     21.   NCENT LARGE                   3184,0000     60.0755     15.0357      226,0711     (    53)
   AREA                     22.   NCENT MEDIUM                  5844,0000     61.5158     11.0366      121,8056     (    95)
   AREA                     24.   NCENT RURAL                   4733,0000     66.6620      9.5408       91,0270     (    71)
   AREA                     31.   SOUTH LARGE                   1717,0000     53.6563      9.7934       95,9143     (    32)
   AREA                     33.   SOUTH SMALL                   1354,0000     64.4762     12.9562      167,8619     (    21)
   AREA                     34.   SOUTH RURAL                   2323,0000     52.7955      8,3124       69,0967     (    44)
   AREA                     41.   WEST LARGE                    2445,0000     58.2143     10.4287      108,7578     (    42)
   AREA                     42.   WEST MEDIUM                   2598,0000     57.7333      9,3332       87,1091     (    45)
   AREA                     43.   WEST SMALL                    2747,0000     54.9400      9.4381       89,0780     (    50)

MOVES                        1.                                 9390,0000     59.8089     13.7669      189,5274     (   157)
   AREA                     11.   NE LARGE                       111,0000     55.5000      4.9497       24,5000     (     2)
   AREA                     12.   NE MEDIUM                     1143,0000     57.1500     13.3703      178,7658     (    20)
   AREA                     13.   NE SMALL                      1860,0000     62.0000     10.3023      106,1379     (    30)
   AREA                     21.   NCENT LARGE                    327,0000     54.5000      9.0056       81,1000     (     6)
   AREA                     22.   NCENT MEDIUM                   356,0000     50.8571     12.2397      149,8095     (     7)
   AREA                     24.   NCENT RURAL                   3196,0000     68.0000     15.2415      232,3043     (    47)
   AREA                     31.   SOUTH LARGE                    247,0000     49.4000      6.5422       42,8000     (     5)
   AREA                     33.   SOUTH SMALL                    888,0000     59.2000      9.9585       99,1714     (    15)
   AREA                     34.   SOUTH RURAL                    272,0000     45.3333     10.5008      110,2667     (     6)
   AREA                     41.   WEST LARGE                     329,0000     47.0000     11.0151      121,3333     (     7)
   AREA                     42.   WEST MEDIUM                    158,0000     52.6667     11.2398      126,3333     (     3)
   AREA                     43.   WEST SMALL                     503,0000     55.8889      8.1769       66,8611     (     9)

MOVES                        2.                                 2218,0000     56.8718     14.7936      218,8516     (    39)
   AREA                     11.   NE LARGE                        48,0000     48.0000      0                0        (     1)
   AREA                     13.   NE SMALL                       860,0000     53.7500     11.1505      124,3333     (    16)
   AREA                     22.   NCENT MEDIUM                   121,0000     60.5000      6.3640       40.5000     (     2)
   AREA                     24.   NCENT RURAL                    676,0000     75.1111     11.8051      139,3611     (     9)
   AREA                     31.   SOUTH LARGE                    413,0000     45.8889     10.2646      105,3611     (     9)
   AREA                     33.   SOUTH SMALL                    100.0000     50.0000      4.2426       18,0000     (     2)

MOVES                        3.                                  488,0000     69.7143     10.1934      103,9048     (     7)
   AREA                     24.   NCENT RURAL                    359,0000     71.8000     11.5629      133,7000     (     5)
   AREA                     33.   SOUTH SMALL                    129,0000     64.5000      3,5355       12,5000     (     2)

   TOTAL CASES =     814
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   S53MMAB    STAND SC 3RD GR NAT TOTAL MATH
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   52378.0000       64.3464        12.6207       159.2820   (   814)

MOVES                        0                          39232.0000       64.2095        12.1890       148.5724   (   611)
   AREA                     11.   NE LARGE               3329.0000       61.6481        10.6331       113.0625   (    54)
   AREA                     12.   NE MEDIUM              4623.0000       64.2083        15.0800       227.4067   (    72)
   AREA                     13.   NE SMALL               2033.0000       63.5313        14.3347       205.4829   (    32)
   AREA                     21.   NCENT LARGE            3435.0000       64.8113        11.6785       136.3868   (    53)
   AREA                     22.   NCENT MEDIUM           6432.0000       67.7053        10.2052       104.1462   (    95)
   AREA                     24.   NCENT RURAL            5154.0000       72.5915        10.5202       110.6736   (    71)
   AREA                     31.   SOUTH LARGE            1880.0000       58.7500        10.1885       103.8065   (    32)
   AREA                     33.   SOUTH SMALL            1513.0000       72.0476        11.0746       122.6476   (    21)
   AREA                     34.   SOUTH RURAL            2641.0000       60.0227         9.3796        87.9762   (    44)
   AREA                     41.   WEST LARGE             2611.0000       62.1667        10.6677       113.8008   (    42)
   AREA                     42.   WEST MEDIUM            2654.0000       58.9778        12.8620       165.4313   (    45)
   AREA                     43.   WEST SMALL             2927.0000       58.5400         8.4834        71.9678   (    50)

MOVES                       1.                          10362.0000       66.0000        13.7808       189.9103   (   157)
   AREA                     11.   NE LARGE                116.0000       58.0000        12.7279       162.0000   (     2)
   AREA                     12.   NE MEDIUM              1290.0000       64.5000        13.6478       186.2632   (    20)
   AREA                     13.   NE SMALL               2094.0000       69.8000        11.3666       129.2000   (    30)
   AREA                     21.   NCENT LARGE             351.0000       58.5000        13.7077       187.9000   (     6)
   AREA                     22.   NCENT MEDIUM            403.0000       57.5714        10.5017       110.2857   (     7)
   AREA                     24.   NCENT RURAL            3492.0000       74.2979        11.9527       142.8659   (    47)
   AREA                     31.   SOUTH LARGE             256.0000       51.2000         9.5499        91.2000   (     5)
   AREA                     33.   SOUTH SMALL             971.0000       64.7333        11.4982       132.2095   (    15)
   AREA                     34.   SOUTH RURAL             320.0000       53.3333        10.4243       108.6667   (     6)
   AREA                     41.   WEST LARGE              366.0000       52.2857         6.4991        42.2381   (     7)
   AREA                     42.   WEST MEDIUM             158.0000       52.6667        20.5994       424.3333   (     3)
   AREA                     43.   WEST SMALL              545.0000       60.5556        12.5908       158.5278   (     9)

MOVES                       2.                           2293.0000       58.7949        13.5028       182.3252   (    39)
   AREA                     11.   NE LARGE                 62.0000       62.0000              0              0   (     1)
   AREA                     13.   NE SMALL                867.0000       54.1875         8.7118        75.8958   (    16)
   AREA                     22.   NCENT MEDIUM            124.0000       62.0000        25.4558       648.0000   (     2)
   AREA                     24.   NCENT RURAL             695.0000       77.2222         4.2065        17.6944   (     9)
   AREA                     31.   SOUTH LARGE             440.0000       48.8889         6.1124        37.3611   (     9)
   AREA                     33.   SOUTH SMALL             105.0000       52.5000        17.6777       312.5000   (     2)

MOVES                       3.                            491.0000       70.1429         8.5133        72.4762   (     7)
   AREA                     24.   NCENT RURAL             365.0000       73.0000         8.2765        68.5000   (     5)
   AREA                     33.   SOUTH SMALL             126.0000       63.0000         4.2426        18.0000   (     2)

  TOTAL CASES =      814
```

A-3-90

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE      VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     24656.0000       30.2899       12.4826      155.8150   (  814)

SCHOOLS                     1.                            18465.0000       30.2209       12.3649      152.8904   (  611)
   AREA                    11.    NE LARGE                 1432.0000       26.5185       11.3033      127.7638   (   54)
   AREA                    12.    NE MEDIUM                2193.0000       30.4583       13.2132      174.5898   (   72)
   AREA                    13.    NE SMALL                  936.0000       29.2500       11.1702      124.7742   (   32)
   AREA                    21.    NCENT LARGE              1842.0000       34.7547       12.8735      165.7271   (   53)
   AREA                    22.    NCENT MEDIUM             2854.0000       30.0421       12.1663      148.0195   (   95)
   AREA                    24.    NCENT RURAL              2601.0000       36.6338       11.5341      133.0354   (   71)
   AREA                    31.    SOUTH LARGE               741.0000       23.1563       12.1949      148.7167   (   32)
   AREA                    33.    SOUTH SMALL               599.0000       28.5238       13.5411      183.3619   (   21)
   AREA                    34.    SOUTH RURAL               946.0000       21.5000        8.8594       78.4884   (   44)
   AREA                    41.    WEST LARGE               1506.0000       35.8571       10.1443      102.9059   (   42)
   AREA                    42.    WEST MEDIUM              1387.0000       30.8222       11.0829      122.8313   (   45)
   AREA                    43.    WEST SMALL               1428.0000       28.5600       10.9062      118.9453   (   50)

SCHOOLS                     2.                             5209.0000       30.2849       12.6812      160.8131   (  172)
   AREA                    11.    NE LARGE                   85.0000       28.3333       17.8979      320.3333   (    3)
   AREA                    12.    NE MEDIUM                 621.0000       31.0500       13.5315      183.1026   (   20)
   AREA                    13.    NE SMALL                 1001.0000       33.3667       12.9308      167.2057   (   30)
   AREA                    21.    NCENT LARGE               190.0000       31.6667        8.3347       69.4667   (    6)
   AREA                    22.    NCENT MEDIUM              300.0000       33.3333        9.1104       83.0000   (    9)
   AREA                    24.    NCENT RURAL              1669.0000       34.0612       13.7150      188.1003   (   49)
   AREA                    31.    SOUTH LARGE               248.0000       19.0769        6.5251       42.5769   (   13)
   AREA                    33.    SOUTH SMALL               438.0000       25.7647       11.3992      129.9412   (   17)
   AREA                    34.    SOUTH RURAL               135.0000       22.5000        8.1179       65.9000   (    6)
   AREA                    41.    WEST LARGE                189.0000       27.0000       11.9304      142.3333   (    7)
   AREA                    42.    WEST MEDIUM                84.0000       28.0000       11.5326      133.0000   (    3)
   AREA                    43.    WEST SMALL                249.0000       27.6667       10.3199      106.5000   (    9)

SCHOOLS                     3.                              813.0000       30.1111       12.9298      167.1795   (   27)
   AREA                    13.    NE SMALL                  400.0000       25.0000        6.5625       43.0667   (   16)
   AREA                    24.    NCENT RURAL               359.0000       44.8750       11.6673      136.1250   (    8)
   AREA                    31.    SOUTH LARGE                10.0000       10.0000        0             0        (    1)
   AREA                    33.    SOUTH SMALL                44.0000       22.0000        7.0711       50.0000   (    2)

SCHOOLS                     4.                              169.0000       42.2500       18.1911      330.9167   (    4)
   AREA                    24.    NCENT RURAL               169.0000       42.2500       18.1911      330.9167   (    4)

   TOTAL CASES =      814
```

```
------------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   S51MR      STAND SC 1ST GR MAT TOTAL READING
   BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                             32868.0000       40.3784      10.2985      106.0584    (  814)

SCHOOLS                  1.                       24531.0000       40.1489      10.0604      101.2122    (  611)
   AREA                 11.   NE LARGE             2045.0000       37.8704       9.8231       96.4923    (   54)
   AREA                 12.   NE MEDIUM            2839.0000       39.4306      10.5508      111.3191    (   72)
   AREA                 13.   NE SMALL             1293.0000       40.4063       8.4733       71.7974    (   32)
   AREA                 21.   NCENT LARGE          2208.0000       41.6604      10.6644      113.7286    (   53)
   AREA                 22.   NCENT MEDIUM         4043.0000       42.5579       9.3042       86.5684    (   95)
   AREA                 24.   NCENT RURAL          3399.0000       47.8732       8.2392       67.8837    (   71)
   AREA                 31.   SOUTH LARGE          1081.0000       33.7813       8.6238       74.3700    (   32)
   AREA                 33.   SOUTH SMALL           961.0000       45.7619      13.8235      191.0905    (   21)
   AREA                 34.   SOUTH RURAL          1610.0000       36.5909       5.8481       34.2008    (   44)
   AREA                 41.   WEST LARGE           1657.0000       39.4524       7.9240       62.7904    (   42)
   AREA                 42.   WEST MEDIUM          1754.0000       38.9778.      9.9419       98.8404    (   45)
   AREA                 43.   WEST SMALL           1641.0000       32.8200       7.3670       54.2731    (   50)

SCHOOLS                  2.                        6969.0000       40.5174      10.9814      120.5903    (  172)
   AREA                 11.   NE LARGE              116.0000       38.6667       8.3865       70.3333    (    3)
   AREA                 12.   NE MEDIUM             790.0000       39.5000      10.7923      116.4737    (   20)
   AREA                 13.   NE SMALL             1341.0000       44.7000       7.4932       56.1483    (   30)
   AREA                 21.   NCENT LARGE           229.0000       38.1667       7.6267       58.1667    (    6)
   AREA                 22.   NCENT MEDIUM          341.0000       37.8889       6.7165       45.1111    (    9)
   AREA                 24.   NCENT RURAL          2344.0000       47.8367      10.7845      116.3061    (   49)
   AREA                 31.   SOUTH LARGE           375.0000       28.8462       6.2429       38.9744    (   13)
   AREA                 33.   SOUTH SMALL           661.0000       38.8824       8.7741       76.9853    (   17)
   AREA                 34.   SOUTH RURAL           211.0000       35.1667       5.9470       35.3667    (    6)
   AREA                 41.   WEST LARGE            196.0000       28.0000       9.0738       82.3333    (    7)
   AREA                 42.   WEST MEDIUM           104.0000       34.6667       9.8658       97.3333    (    3)
   AREA                 43.   WEST SMALL            261.0000       29.0000       4.7697       22.7500    (    9)

SCHOOLS                  3.                        1167.0000       43.2222      10.7071      114.6410    (   27)
   AREA                 13.   NE SMALL              609.0000       38.0625       7.3889       54.5958    (   16)
   AREA                 24.   NCENT RURAL           439.0000       54.8750       8.5597       73.2679    (    8)
   AREA                 31.   SOUTH LARGE            33.0000       33.0000            0             0    (    1)
   AREA                 33.   SOUTH SMALL            86.0000       43.0000       5.6569       32.0000    (    2)

SCHOOLS                  4.                         201.0000       50.2500       8.9582       80.2500    (    4)
   AREA                 24.   NCENT RURAL           201.0000       50.2500       8.9582       80.2500    (    4)

  TOTAL CASES =      814
```

A-3-92

```
- - - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMMA     STAND SC 1ST GR MAT TOTAL MATH
   BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
              BY     AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                 SUM          MEAN       STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                   31725,0000       38.9742      11,4035      130,0399   (   814)

SCHOOLS                    1.                           23543,0000       38.5319      10,6127      112,6297   (   611)
   AREA                   11.   NE LARGE                 2020,0000       37.4074       7,6022       57,7932   (    54)
   AREA                   12.   NE MEDIUM                2668,0000       37.0556      10,8821      118,4194   (    72)
   AREA                   13.   NE SMALL                 1270,0000       39.6875       8,0580       64,9315   (    32)
   AREA                   21.   NCENT LARGE              2043,0000       38.5472      13,5229      182,8679   (    53)
   AREA                   22.   NCENT MEDIUM             3846,0000       40.4842       8,4951       72,1673   (    95)
   AREA                   24.   NCENT RURAL              3412,0000       48.0563       9,1790       84,2539   (    71)
   AREA                   31.   SOUTH LARGE               936,0000       29.2500       9,1334       83,4194   (    32)
   AREA                   33.   SOUTH SMALL               910,0000       43.3333      10,7440      115,4333   (    21)
   AREA                   34.   SOUTH RURAL              1465,0000       33.2955       6,3267       40,0270   (    44)
   AREA                   41.   WEST LARGE               1570,0000       37.3810      11,9285      142,2984   (    42)
   AREA                   42.   WEST MEDIUM              1764,0000       39.2000       9,3750       87,8949   (    45)
   AREA                   43.   WEST SMALL               1639,0000       32.7800       8,4087       70,7057   (    50)

SCHOOLS                    2.                            6800,0000       39.5349      12,9738      168,3244   (   172)
   AREA                   11.   NE LARGE                  135,0000       45.0000      13,2288      175,0000   (     3)
   AREA                   12.   NE MEDIUM                 709,0000       35.4500      11,5689      133,8395   (    20)
   AREA                   13.   NE SMALL                 1249,0000       41.6333      10,4995      110,2402   (    30)
   AREA                   21.   NCENT LARGE               210,0000       35.0000       9,4657       89,6000   (     6)
   AREA                   22.   NCENT MEDIUM              327,0000       36.3333       8,6023       74,0000   (     9)
   AREA                   24.   NCENT RURAL              2426,0000       49.5102      12,8324      164,6718   (    49)
   AREA                   31.   SOUTH LARGE               327,0000       25.1538       5,9420       35,3077   (    13)
   AREA                   33.   SOUTH SMALL               637,0000       37.4706       8,4344       71,1397   (    17)
   AREA                   34.   SOUTH RURAL               140,0000       23.3333       6,0882       37,0667   (     6)
   AREA                   41.   WEST LARGE                209,0000       29.8571       8,9336       79,8095   (     7)
   AREA                   42.   WEST MEDIUM               119,0000       39.6667       8,9629       80,3333   (     3)
   AREA                   43.   WEST SMALL                312,0000       34.6667       7,9844       63,7500   (     9)

SCHOOLS                    3.                            1146,0000       42.4444      14,3295      205,3333   (    27)
   AREA                   13.   NE SMALL                  548,0000       34.2500       5,8252       33,9333   (    16)
   AREA                   24.   NCENT RURAL               483,0000       60.3750      10,4463      109,1250   (     8)
   AREA                   31.   SOUTH LARGE                30,0000       30.0000            0             0   (     1)
   AREA                   33.   SOUTH SMALL                85,0000       42.5000      16,2635      264,5000   (     2)

SCHOOLS                    4.                             236,0000       59.0000      16,2686      264,6667   (     4)
   AREA                   24.   NCENT RURAL               236,0000       59.0000      16,2686      264,6667   (     4)

  TOTAL CASES =      814
```

A-3-93

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
   BROKEN DOWN BY    SCHOOLS     NO. OF SCHOOLS ATTENDED
              BY     AREA        REGION ANU CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE           CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                    48317.0000       59.3575       12.1889       148.5695     (   814)

SCHOOLS                   1.                             36221.0000       59.2815       11.5413       133.2026     (   611)
    AREA                 11.    NE LARGE                  3163.0000       58.5741       10.7941       116.5133     (    54)
    AREA                 12.    NE MEDIUM                 4196.0000       58.2778       12.0600       145.4429     (    72)
    AREA                 13.    NE SMALL                  1917.0000       59.9063       11.6407       135.5071     (    32)
    AREA                 21.    NCENT LARGE               3184.0000       60.0755       15.0357       226.0711     (    53)
    AREA                 22.    NCENT MEDIUM              5844.0000       61.5158       11.0366       121.8056     (    95)
    AREA                 24.    NCENT RURAL               4733.0000       66.6620        9.5408        91.0270     (    71)
    AREA                 31.    SOUTH LARGE               1717.0000       53.6563        9.7934        95.9103     (    32)
    AREA                 33.    SOUTH SMALL               1354.0000       64.4762       12.9562       167.8619     (    21)
    AREA                 34.    SOUTH RURAL               2323.0000       52.7955        8.3124        69.0967     (    44)
    AREA                 41.    WEST LARGE                2445.0000       58.2143       10.4287       108.7578     (    42)
    AREA                 42.    WEST MEDIUM               2598.0000       57.7333        9.3332        87.1091     (    45)
    AREA                 43.    WEST SMALL                2747.0000       54.9400        9.4381        89.0780     (    50)

SCHOOLS                   2.                             10174.0000       59.1512       13.8235       191.0981     (   172)
    AREA                 11.    NE LARGE                   159.0000       53.0000        5.5678        31.0000     (     3)
    AREA                 12.    NE MEDIUM                 1143.0000       57.1500       13.3703       178.7658     (    20)
    AREA                 13.    NE SMALL                  1860.0000       62.0000       10.3023       106.1379     (    30)
    AREA                 21.    NCENT LARGE                327.0000       54.5000        9.0056        81.1000     (     6)
    AREA                 22.    NCENT MEDIUM               477.0000       53.0000       11.6404       135.5000     (     9)
    AREA                 24.    NCENT RURAL               3334.0000       68.0408       15.0111       225.3316     (    49)
    AREA                 31.    SOUTH LARGE                610.0000       46.9231        9.3315        87.0769     (    13)
    AREA                 33.    SOUTH SMALL               1002.0000       58.9412        9.9904        99.8088     (    17)
    AREA                 34.    SOUTH RURAL                272.0000       45.3333       10.5008       110.2667     (     6)
    AREA                 41.    WEST LARGE                 329.0000       47.0000       11.0151       121.3333     (     7)
    AREA                 42.    WEST MEDIUM                158.0000       52.6667       11.2398       126.3333     (     3)
    AREA                 43.    WEST SMALL                 503.0000       55.8889        8.1769        66.8611     (     9)

SCHOOLS                   3.                              1636.0000       60.5926       14.7837       218.5584     (    27)
    AREA                 13.    NE SMALL                   860.0000       53.7500       11.1505       124.3333     (    16)
    AREA                 24.    NCENT RURAL                611.0000       76.3750       11.3633       129.1250     (     8)
    AREA                 31.    SOUTH LARGE                 50.0000       50.0000             0              0     (     1)
    AREA                 33.    SOUTH SMALL                115.0000       57.5000        6.3640        40.5000     (     2)

SCHOOLS                   4.                               286.0000       71.5000       13.3292       177.6667     (     4)
    AREA                 24.    NCENT RURAL                286.0000       71.5000       13.3292       177.6667     (     4)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                 SUM           MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                      52378.0000        64.3464      12.6207       159.2820     (   814)

SCHOOLS                     1.                             39232.0000        64.2095      12.1890       148.5724     (   611)
   AREA                    11.   NE LARGE                   3329.0000        61.6481      10.6331       113.0625     (    54)
   AREA                    12.   NE MEDIUM                  4623.0000        64.2083      15.0800       227.4067     (    72)
   AREA                    13.   NE SMALL                   2033.0000        63.5313      14.3347       205.4829     (    32)
   AREA                    21.   NCENT LARGE                3435.0000        64.8113      11.6785       136.3868     (    53)
   AREA                    22.   NCENT MEDIUM               6432.0000        67.7053      10.2052       104.1462     (    95)
   AREA                    24.   NCENT RURAL                5154.0000        72.5915      10.5202       110.6736     (    71)
   AREA                    31.   SOUTH LARGE                1880.0000        58.7500      10.1885       103.8065     (    32)
   AREA                    33.   SOUTH SMALL                1513.0000        72.0476      11.0746       122.6476     (    21)
   AREA                    34.   SOUTH RURAL                2641.0000        60.0227       9.3796        87.9762     (    44)
   AREA                    41.   WEST LARGE                 2611.0000        62.1667      10.6677       113.8008     (    42)
   AREA                    42.   WEST MEDIUM                2654.0000        58.9778      12.8620       165.4313     (    45)
   AREA                    43.   WEST SMALL                 2927.0000        58.5400       8.4834        71.9678     (    50)

SCHOOLS                     2.                             11192.0000        65.0698      14.0777       198.1822     (   172)
   AREA                    11.   NE LARGE                    178.0000        59.3333       9.2916        86.3333     (     3)
   AREA                    12.   NE MEDIUM                  1290.0000        64.5000      13.6478       186.2632     (    20)
   AREA                    13.   NE SMALL                   2094.0000        69.8000      11.3666       129.2000     (    30)
   AREA                    21.   NCENT LARGE                 351.0000        58.5000      13.7077       187.9000     (     6)
   AREA                    22.   NCENT MEDIUM                527.0000        58.5556      12.9433       167.5278     (     9)
   AREA                    24.   NCENT RURAL                3644.0000        74.3673      11.7503       138.0706     (    49)
   AREA                    31.   SOUTH LARGE                 642.0000        49.3846       7.4222        55.0897     (    13)
   AREA                    33.   SOUTH SMALL                1077.0000        63.3529      12.3285       151.9926     (    17)
   AREA                    34.   SOUTH RURAL                 320.0000        53.3333      10.4243       108.6667     (     6)
   AREA                    41.   WEST LARGE                  366.0000        52.2857       6.4991        42.2381     (     7)
   AREA                    42.   WEST MEDIUM                 158.0000        52.6667      20.5994       424.3333     (     3)
   AREA                    43.   WEST SMALL                  545.0000        60.5556      12.5908       158.5278     (     9)

SCHOOLS                     3.                              1663.0000        61.5926      12.5828       158.3276     (    27)
   AREA                    13.   NE SMALL                    867.0000        54.1875       8.7118        75.8958     (    16)
   AREA                    24.   NCENT RURAL                 617.0000        77.1250       3.7583        14.1250     (     8)
   AREA                    31.   SOUTH LARGE                  54.0000        54.0000            0              0     (     1)
   AREA                    33.   SOUTH SMALL                 125.0000        62.5000       3.5355        12.5000     (     2)

SCHOOLS                     4.                               291.0000        72.7500       9.5350        90.9167     (     4)
   AREA                    24.   NCENT RURAL                 291.0000        72.7500       9.5350        90.9167     (     4)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW         FALL KIND WRAT TOTAL
    BROKEN DOWN BY   ECONSTAT    INCOME AND POVERTY LEVEL
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                   SUM           MEAN        STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                       24656.0000        30.2899        12.4826        155.8150    (  814)

ECONSTAT                     1.   10K-, BELOW POVERTY        6976.0000        25.4599        10.3354        106.8207    (  274)
    AREA                    11.   NE LARGE                    493.0000        23.4762         9.4267         88.8619    (   21)
    AREA                    12.   NE MEDIUM                   890.0000        26.1765        10.5298        110.8770    (   34)
    AREA                    13.   NE SMALL                    355.0000        25.3571        11.8686        140.8626    (   14)
    AREA                    21.   NCENT LARGE                 799.0000        28.5357         9.4535         89.3690    (   28)
    AREA                    22.   NCENT MEDIUM                610.0000        24.4000         9.5699         91.5833    (   25)
    AREA                    24.   NCENT RURAL                 571.0000        25.9545        10.9782        120.5216    (   22)
    AREA                    31.   SOUTH LARGE                 459.0000        21.8571        10.8226        117.1286    (   21)
    AREA                    33.   SOUTH SMALL                 153.0000        19.1250         7.9720         63.5536    (    8)
    AREA                    34.   SOUTH RURAL                 560.0000        20.7407         8.6673         75.1225    (   27)
    AREA                    41.   WEST LARGE                  812.0000        32.4800        11.0194        121.4267    (   25)
    AREA                    42.   WEST MEDIUM                 607.0000        27.5909         8.3704         70.0628    (   22)
    AREA                    43.   WEST SMALL                  667.0000        24.7037        10.1633        103.2934    (   27)

ECONSTAT                     2.   10K-, ABOVE POVERTY       11219.0000        31.3380        12.1222        146.9471    (  358)
    AREA                    11.   NE LARGE                    692.0000        26.6154        12.3453        152.4062    (   26)
    AREA                    12.   NE MEDIUM                  1162.0000        29.7949        12.7304        162.0621    (   39)
    AREA                    13.   NE SMALL                   1150.0000        28.7500        10.0122        100.2436    (   40)
    AREA                    21.   NCENT LARGE                 415.0000        34.5833         7.9825         63.7197    (   12)
    AREA                    22.   NCENT MEDIUM               1576.0000        32.1633        11.8134        139.5561    (   49)
    AREA                    24.   NCENT RURAL                2653.0000        37.3662        11.7050        137.0068    (   71)
    AREA                    31.   SOUTH LARGE                 454.0000        22.7000        12.2608        150.3263    (   20)
    AREA                    33.   SOUTH SMALL                 664.0000        30.1818        13.5423        183.3939    (   22)
    AREA                    34.   SOUTH RURAL                 395.0000        21.9444         8.7007         75.7026    (   18)
    AREA                    41.   WEST LARGE                  588.0000        34.5882        10.0004        100.0074    (   17)
    AREA                    42.   WEST MEDIUM                 705.0000        33.5714        12.5999        158.7571    (   21)
    AREA                    43.   WEST SMALL                  765.0000        33.2609         8.6928         75.5652    (   23)

ECONSTAT                     4.   10K+, ABOVE POVERTY        6461.0000        35.5000        13.5699        184.1469    (  182)
    AREA                    11.   NE LARGE                    332.0000        33.2000        11.5162        132.6222    (   10)
    AREA                    12.   NE MEDIUM                   762.0000        40.1053        14.2513        203.0994    (   19)
    AREA                    13.   NE SMALL                    832.0000        34.6667        12.3241        151.8841    (   24)
    AREA                    21.   NCENT LARGE                 818.0000        43.0526        13.9781        195.3860    (   19)
    AREA                    22.   NCENT MEDIUM                968.0000        32.2667        12.6134        159.0989    (   30)
    AREA                    24.   NCENT RURAL                1574.0000        40.3590        12.6397        159.7625    (   39)
    AREA                    31.   SOUTH LARGE                  86.0000        17.2000         4.8683         23.7000    (    5)
    AREA                    33.   SOUTH SMALL                 264.0000        26.4000        10.0133        100.2667    (   10)
    AREA                    34.   SOUTH RURAL                 126.0000        25.2000         9.7826         95.7000    (    5)
    AREA                    41.   WEST LARGE                  295.0000        42.1429         9.2993         86.4762    (    7)
    AREA                    42.   WEST MEDIUM                 159.0000        31.8000        12.7945        163.7000    (    5)
    AREA                    43.   WEST SMALL                  245.0000        27.2222        13.2926        176.6944    (    9)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING      /
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                    32868.0000     40.3784     10.2985     106.0584   (   814)

ECONSTAT                  1.  10K-, BELOW POVERTY       9730.0000     35.5109      7.8532      61.6720   (   274)
   AREA                  11.  NE LARGE                   708.0000     33.7143      7.3494      54.0143   (    21)
   AREA                  12.  NE MEDIUM                 1217.0000     35.7941      8.7517      76.5927   (    34)
   AREA                  13.  NE SMALL                   532.0000     38.0000      8.0096      64.1538   (    14)
   AREA                  21.  NCENT LARGE               1023.0000     36.5357      8.5005      72.2579   (    28)
   AREA                  22.  NCENT MEDIUM               945.0000     37.8000      6.2316      38.8333   (    25)
   AREA                  24.  NCENT RURAL                909.0000     41.3182     10.3620     107.3701   (    22)
   AREA                  31.  SOUTH LARGE                656.0000     31.2381      6.0325      36.3905   (    21)
   AREA                  33.  SOUTH SMALL                286.0000     35.7500      7.3046      53.3571   (     8)
   AREA                  34.  SOUTH RURAL                954.0000     35.3333      6.0638      36.7692   (    27)
   AREA                  41.  WEST LARGE                 906.0000     36.2400      7.5569      57.1067   (    25)
   AREA                  42.  WEST MEDIUM                763.0000     34.6818      6.4320      41.3701   (    22)
   AREA                  43.  WEST SMALL                 831.0000     30.7778      5.8266      33.9487   (    27)

ECONSTAT                  2.  10K-, ABOVE POVERTY      14873.0000     41.5447     10.3908     107.9686   (   358)
   AREA                  11.  NE LARGE                   998.0000     38.3846      7.6057      57.8462   (    26)
   AREA                  12.  NE MEDIUM                 1524.0000     39.0769     10.8637     118.0202   (    39)
   AREA                  13.  NE SMALL                  1661.0000     41.5250      7.2465      52.5122   (    40)
   AREA                  21.  NCENT LARGE                529.0000     44.0833      9.1100      82.9924   (    12)
   AREA                  22.  NCENT MEDIUM              2083.0000     42.5102      9.5484      91.1718   (    49)
   AREA                  24.  NCENT RURAL               3501.0000     49.3099      8.8440      78.2169   (    71)
   AREA                  31.  SOUTH LARGE                670.0000     33.5000     10.4605     109.4211   (    20)
   AREA                  33.  SOUTH SMALL                964.0000     43.8182     12.1915     148.6320   (    22)
   AREA                  34.  SOUTH RURAL                662.0000     36.7778      5.2194      27.2418   (    18)
   AREA                  41.  WEST LARGE                 638.0000     37.5294     10.2842     105.7647   (    17)
   AREA                  42.  WEST MEDIUM                875.0000     41.6667     10.8182     117.0333   (    21)
   AREA                  43.  WEST SMALL                 768.0000     33.3913      8.4839      71.9763   (    23)

ECONSTAT                  4.  10K+, ABOVE POVERTY       8265.0000     45.4121     10.3139     106.3762   (   182)
   AREA                  11.  NE LARGE                   455.0000     45.5000     14.0574     197.6111   (    10)
   AREA                  12.  NE MEDIUM                  888.0000     46.7368      9.5326      90.8713   (    19)
   AREA                  13.  NE SMALL                  1050.0000     43.7500      9.4005      88.3696   (    24)
   AREA                  21.  NCENT LARGE                885.0000     46.5789     10.9256     119.3684   (    19)
   AREA                  22.  NCENT MEDIUM              1356.0000     45.2000      9.4883      90.0276   (    30)
   AREA                  24.  NCENT RURAL               1973.0000     50.5897      7.9363      62.9852   (    39)
   AREA                  31.  SOUTH LARGE                163.0000     32.6000      5.8992      34.8000   (     5)
   AREA                  33.  SOUTH SMALL                458.0000     45.8000     13.0196     169.5111   (    10)
   AREA                  34.  SOUTH RURAL                205.0000     41.0000      5.0000      25.0000   (     5)
   AREA                  41.  WEST LARGE                 309.0000     44.1429      8.6492      74.8095   (     7)
   AREA                  42.  WEST MEDIUM                220.0000     44.0000     13.2853     176.5000   (     5)
   AREA                  43.  WEST SMALL                 303.0000     33.6667      6.8920      47.5000   (     9)

  TOTAL CASES =      814
```

522

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST OR MAT TOTAL MATH
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE             CODE   VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                 31725,0000      38.9742     11.4035     130,0399   (  814)

ECONSTAT                  1.  10K-, BELOW POVERTY      9297,0000      33.9307      9.0290      81,5226   (  274)
   AREA                  11.  NE LARGE                  748,0000      35.6190      8.7091      75,8476   (   21)
   AREA                  12.  NE MEDIUM                1052,0000      30.9412      6.4335      41,3904   (   34)
   AREA                  13.  NE SMALL                  508,0000      36.2857      7.1191      50,6813   (   14)
   AREA                  21.  NCENT LARGE               888,0000      31.7143      9.6373      92,8783   (   28)
   AREA                  22.  NCENT MEDIUM              945,0000      37.8000      7.5993      57,7500   (   25)
   AREA                  24.  NCENT RURAL               958,0000      43.5455     12.5650     157,8788   (   22)
   AREA                  31.  SOUTH LARGE               595,0000      28.3333      5.7648      33,2333   (   21)
   AREA                  33.  SOUTH SMALL               274,0000      34.2500      3.7321      13,9286   (    8)
   AREA                  34.  SOUTH RURAL               825,0000      30.5556      7.4024      54,7949   (   27)
   AREA                  41.  WEST LARGE                881,0000      35.2400      9.0429      81,7733   (   25)
   AREA                  42.  WEST MEDIUM               768,0000      34.9091      7.9517      63,2294   (   22)
   AREA                  43.  WEST SMALL                855,0000      31.6667      8.4853      72,0000   (   27)

ECONSTAT                  2.  10K-, ABOVE POVERTY     14436,0000      40.3240     11,5286     132,9087   (  358)
   AREA                  11.  NE LARGE                 1002,0000      38.5385      7.7109      59,4585   (   26)
   AREA                  12.  NE MEDIUM                1491,0000      38.2308     10.4943     110,1296   (   39)
   AREA                  13.  NE SMALL                 1523,0000      38.0750      8.9138      79,4558   (   40)
   AREA                  21.  NCENT LARGE               472,0000      39.3333     11.1546     124,4242   (   12)
   AREA                  22.  NCENT MEDIUM             1972,0000      40.2449      8.1816      66,9388   (   49)
   AREA                  24.  NCENT RURAL              3536,0000      49.8028     11.7152     137,2463   (   71)
   AREA                  31.  SOUTH LARGE               569,0000      28.4500     10.6152     112,6816   (   20)
   AREA                  33.  SOUTH SMALL               966,0000      43.9091     11.9280     142,2771   (   22)
   AREA                  34.  SOUTH RURAL               585,0000      32.5000      5.2943      28,0294   (   18)
   AREA                  41.  WEST LARGE                633,0000      37.2353     14.8893     221,6912   (   17)
   AREA                  42.  WEST MEDIUM               896,0000      42.6667      9.0406      81.7333   (   21)
   AREA                  43.  WEST SMALL                791,0000      34.3913      8.4301      71.0672   (   23)

ECONSTAT                  4.  10K+, ABOVE POVERTY      7992,0000      43.9121     11.5051     132,3679   (  182)
   AREA                  11.  NE LARGE                  405,0000      40.5000      6.5532      42,9444   (   10)
   AREA                  12.  NE MEDIUM                 834,0000      43.8947     13.4118     179,8772   (   19)
   AREA                  13.  NE SMALL                 1036,0000      43.1667      9.3048      86,5797   (   24)
   AREA                  21.  NCENT LARGE               893,0000      47.0000     13.9124     193,5556   (   19)
   AREA                  22.  NCENT MEDIUM             1256,0000      41.8667      9.6338      92,8092   (   30)
   AREA                  24.  NCENT RURAL              2063,0000      52.8974      8.3597      69,8839   (   39)
   AREA                  31.  SOUTH LARGE               129,0000      25.8000      9.1214      83,2000   (    5)
   AREA                  33.  SOUTH SMALL               392,0000      39.2000      6.4429      41.5111   (   10)
   AREA                  34.  SOUTH RURAL               195,0000      39.0000      7.4833      56.0000   (    5)
   AREA                  41.  WEST LARGE                265,0000      37.8571     13.4341     180,4762   (    7)
   AREA                  42.  WEST MEDIUM               219,0000      43.8000      8,7006      75,7000   (    5)
   AREA                  43.  WEST SMALL                305,0000      33.8889      7.6394      58,3611   (    9)

  TOTAL CASES =      814
```

A-3-98

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                    48317.0000       59.3575       12.1889       148.5695   (   814)

ECONSTAT                   1.   10K-, BELOW POVERTY      14622.0000       53.3650       10.4831       109.8956   (   274)
   AREA                   11.   NE LARGE                  1169.0000       55.6667       12.6899       161.0333   (    21)
   AREA                   12.   NE MEDIUM                 1796.0000       52.8235       11.3924       129.7861   (    34)
   AREA                   13.   NE SMALL                   742.0000       53.0000       11.6751       136.3077   (    14)
   AREA                   21.   NCENT LARGE               1445.0000       51.6071       13.0762       170.9881   (    28)
   AREA                   22.   NCENT MEDIUM              1398.0000       55.9200        6.6828        44.6600   (    25)
   AREA                   24.   NCENT RURAL               1275.0000       57.9545       11.3954       129.8550   (    22)
   AREA                   31.   SOUTH LARGE               1035.0000       49.2857        8.7358        76.3143   (    21)
   AREA                   33.   SOUTH SMALL                417.0000       52.1250        8.5262        72.6964   (     8)
   AREA                   34.   SOUTH RURAL               1353.0000       50.1111        9.3081        86.6410   (    27)
   AREA                   41.   WEST LARGE                1362.0000       54.4800       11.2403       126.3433   (    25)
   AREA                   42.   WEST MEDIUM               1165.0000       52.9545        6.8067        46.3312   (    22)
   AREA                   43.   WEST SMALL                1465.0000       54.2593        9.7610        95.2764   (    27)

ECONSTAT                   2.   10K-, ABOVE POVERTY      21696.0000       60.6034       11.7270       137.5229   (   358)
   AREA                   11.   NE LARGE                  1496.0000       57.5385        7.4093        54.8985   (    26)
   AREA                   12.   NE MEDIUM                 2304.0000       59.0769       10.7468       115.4939   (    39)
   AREA                   13.   NE SMALL                  2322.0000       58.0500       10.8225       117.1256   (    40)
   AREA                   21.   NCENT LARGE                759.0000       63.2500       11.5217       132.7500   (    12)
   AREA                   22.   NCENT MEDIUM              2980.0000       60.8163       11.7627       138.3614   (    49)
   AREA                   24.   NCENT RURAL               4924.0000       69.3521       11.9057       141.7457   (    71)
   AREA                   31.   SOUTH LARGE               1075.0000       53.7500       10.0728       101.4605   (    20)
   AREA                   33.   SOUTH SMALL               1379.0000       62.6818       11.8979       141.5606   (    22)
   AREA                   34.   SOUTH RURAL                961.0000       53.3889        8.0596        64.9575   (    18)
   AREA                   41.   WEST LARGE                 955.0000       56.1765       10.6433       113.2794   (    17)
   AREA                   42.   WEST MEDIUM               1284.0000       61.1429        9.8757        97.5286   (    21)
   AREA                   43.   WEST SMALL                1257.0000       54.6522        8.8760        78.7826   (    23)

ECONSTAT                   4.   10K+, ABOVE POVERTY      11999.0000       65.9286       11.3790       129.4811   (   182)
   AREA                   11.   NE LARGE                   657.0000       65.7000       10.6672       113.7889   (    10)
   AREA                   12.   NE MEDIUM                 1239.0000       65.2105       13.1807       173.7310   (    19)
   AREA                   13.   NE SMALL                  1573.0000       65.5417        9.2641        85.8243   (    24)
   AREA                   21.   NCENT LARGE               1307.0000       68.7895       12.2455       149.9532   (    19)
   AREA                   22.   NCENT MEDIUM              1943.0000       64.7667       12.2466       149.9782   (    30)
   AREA                   24.   NCENT RURAL               2765.0000       70.8974       10.3053       106.1997   (    39)
   AREA                   31.   SOUTH LARGE                267.0000       53.4000       13.8311       191.3000   (     5)
   AREA                   33.   SOUTH SMALL                675.0000       67.5000        9.1196        83.1667   (    10)
   AREA                   34.   SOUTH RURAL                281.0000       56.2000        7.7589        60.2000   (     5)
   AREA                   41.   WEST LARGE                 457.0000       65.2857        8.6932        75.5714   (     7)
   AREA                   42.   WEST MEDIUM                307.0000       61.4000       10.3102       106.3000   (     5)
   AREA                   43.   WEST SMALL                 528.0000       58.6667        8.3516        69.7500   (     9)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAR     STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   ECONSTAT    INCOME AND POVERTY LEVEL
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE    VALUE LABEL                   SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    52378.0000        64.3464        12.6207       159.2820   (  814)

ECONSTAT                    1.   10K-, BELOW POVERTY     16108.0000        58.7883        10.6667       113.7792   (  274)
    AREA                   11.   NE LARGE                 1208.0000        57.5238        11.6474       135.6619   (   21)
    AREA                   12.   NE MEDIUM                1977.0000        58.1471        12.3831       153.3414   (   34)
    AREA                   13.   NE SMALL                  754.0000        53.8571         9.3960        88.2857   (   14)
    AREA                   21.   NCENT LARGE              1680.0000        60.0000         9.9331        98.6667   (   28)
    AREA                   22.   NCENT MEDIUM             1584.0000        63.3600         8.9994        80.9900   (   25)
    AREA                   24.   NCENT RURAL              1455.0000        66.1364        12.2990       151.2662   (   22)
    AREA                   31.   SOUTH LARGE              1146.0000        54.5714         9.4317        88.9571   (   21)
    AREA                   33.   SOUTH SMALL               490.0000        61.2500         4.6828        21.9286   (    8)
    AREA                   34.   SOUTH RURAL              1568.0000        58.0741         9.1101        82.9943   (   27)
    AREA                   41.   WEST LARGE               1485.0000        59.4000         8.5049        72.3333   (   25)
    AREA                   42.   WEST MEDIUM              1149.0000        52.2273        11.5178       132.6602   (   22)
    AREA                   43.   WEST SMALL               1612.0000        59.7037         9.1770        84.2165   (   27)

ECONSTAT                    2.   10K-, ABOVE POVERTY     23434.0000        65.4581        12.2196       149.3190   (  358)
    AREA                   11.   NE LARGE                 1646.0000        63.3077         8.5826        73.6615   (   26)
    AREA                   12.   NE MEDIUM                2559.0000        65.6154        13.6471       186.2429   (   39)
    AREA                   13.   NE SMALL                 2514.0000        62.8500        12.5750       158.1308   (   40)
    AREA                   21.   NCENT LARGE               773.0000        64.4167         7.5973        57.7197   (   12)
    AREA                   22.   NCENT MEDIUM             3253.0000        66.3878        10.0329       100.6590   (   49)
    AREA                   24.   NCENT RURAL              5274.0000        74.2817         9.9774        99.5481   (   71)
    AREA                   31.   SOUTH LARGE              1134.0000        56.7000        11.5490       133.3789   (   20)
    AREA                   33.   SOUTH SMALL              1520.0000        69.0909        13.2266       174.9437   (   22)
    AREA                   34.   SOUTH RURAL              1061.0000        58.9444        10.6189       112.7614   (   18)
    AREA                   41.   WEST LARGE               1035.0000        60.8824        11.1741       124.8603   (   17)
    AREA                   42.   WEST MEDIUM              1338.0000        63.7143        12.6339       159.6143   (   21)
    AREA                   43.   WEST SMALL               1327.0000        57.6957         9.7721        95.4941   (   23)

ECONSTAT                    4.   10K+, ABOVE POVERTY     12836.0000        70.5275        12.7161       161.6981   (  182)
    AREA                   11.   NE LARGE                  653.0000        65.3000        10.8735       118.2333   (   10)
    AREA                   12.   NE MEDIUM                1377.0000        72.4737        16.5408       273.5965   (   19)
    AREA                   13.   NE SMALL                 1726.0000        71.9167        12.3356       152.1667   (   24)
    AREA                   21.   NCENT LARGE              1333.0000        70.1579        14.4886       209.9181   (   19)
    AREA                   22.   NCENT MEDIUM             2122.0000        70.7333        12.1426       147.4437   (   30)
    AREA                   24.   NCENT RURAL              2977.0000        76.3333         9.2547        85.6491   (   39)
    AREA                   31.   SOUTH LARGE               296.0000        59.2000         8.3187        69.2000   (    5)
    AREA                   33.   SOUTH SMALL               705.0000        70.5000        12.4209       154.2778   (   10)
    AREA                   34.   SOUTH RURAL               332.0000        66.4000         6.9498        48.3000   (    5)
    AREA                   41.   WEST LARGE                457.0000        65.2857        16.2349       263.5714   (    7)
    AREA                   42.   WEST MEDIUM               325.0000        65.0000        12.3895       153.5000   (    5)
    AREA                   43.   WEST SMALL                533.0000        59.2222         7.7746        60.4444   (    9)

  TOTAL CASES =      814
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE    FKW         FALL KIND WRAT TOTAL
    BROKEN DOWN BY    POVERTY     STATUS RELATIVE TO NORC POVERTY LINE
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE      VALUE LABEL                  SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                       250957.0000        28.2577       13.0889      171.3195    (  8881)

POVERTY                      -99.   UNKNOWN                 104583.0000        27.5654       13.0722      170.8833    (  3794)
   AREA                       11.   NE LARGE                 50030.0000        27.7328       12.6797      160.7749    (  1804)
   AREA                       12.   NE MEDIUM                 5872.0000        26.8128       11.7351      137.7125    (   219)
   AREA                       13.   NE SMALL                   632.0000        31.6000       12.8407      164.8842    (    20)
   AREA                       21.   NCENT LARGE              10261.0000        27.3627       13.6839      187.2478    (   375)
   AREA                       22.   NCENT MEDIUM              9587.0000        31.8505       14.0027      196.0742    (   301)
   AREA                       24.   NCENT RURAL               1131.0000        29.7632       13.4535      180.9964    (    38)
   AREA                       31.   SOUTH LARGE              10045.0000        21.1029       11.0227      121.4989    (   476)
   AREA                       33.   SOUTH SMALL               1371.0000        31.1591       13.0365      169.9508    (    44)
   AREA                       34.   SOUTH RURAL                732.0000        23.6129       12.0545      145.3118    (    31)
   AREA                       41.   WEST LARGE                7014.0000        32.1743       13.2044      174.3566    (   218)
   AREA                       42.   WEST MEDIUM               4445.0000        30.2381       13.9192      193.7443    (   147)
   AREA                       43.   WEST SMALL                2689.0000        26.8900       13.1924      174.0383    (   100)
   AREA                       44.   WEST RURAL                 774.0000        36.8571       10.3696      107.5286    (    21)

POVERTY                        1.   BELOW                    50737.0000        24.4398       11.1698      124.7641    (  2076)
   AREA                       11.   NE LARGE                  6491.0000        24.4943       11.6545      135.8267    (   265)
   AREA                       12.   NE MEDIUM                 4009.0000        22.6497       10.2653      105.3766    (   177)
   AREA                       13.   NE SMALL                  1677.0000        24.6618       10.6219      112.8242    (    68)
   AREA                       21.   NCENT LARGE              10126.0000        26.0979       10.9823      120.6105    (   388)
   AREA                       22.   NCENT MEDIUM              4316.0000        25.5385       11.3069      127.8452    (   169)
   AREA                       24.   NCENT RURAL               2162.0000        22.5208       11.7491      138.0417    (    96)
   AREA                       31.   SOUTH LARGE               4955.0000        20.3909        9.6723       93.5531    (   243)
   AREA                       33.   SOUTH SMALL                917.0000        19.1042        9.1889       84.4357    (    48)
   AREA                       34.   SOUTH RURAL               1850.0000        20.5556       10.0874      101.7553    (    90)
   AREA                       41.   WEST LARGE                6296.0000        29.0138       11.1586      124.5137    (   217)
   AREA                       42.   WEST MEDIUM               4182.0090        26.1375       11.2101      125.6665    (   160)
   AREA                       43.   WEST SMALL                3391.0000        23.5486       10.8736      118.2354    (   144)
   AREA                       44.   WEST RURAL                 365.0000        33.1818       11.6002      134.5636    (    11)

POVERTY                        2.   ABOVE                    95637.0000        31.7625       13.4585      181.1313    (  3011)
   AREA                       11.   NE LARGE                  9628.0000        30.5651       13.0171      169.4440    (   315)
   AREA                       12.   NE MEDIUM                 9121.0000        31.7805       13.5170      182.7104    (   287)
   AREA                       13.   NE SMALL                  7447.0000        31.1590       14.2002      201.6469    (   239)
   AREA                       21.   NCENT LARGE              11704.0000        31.4624       13.7147      188.0929    (   372)
   AREA                       22.   NCENT MEDIUM             13547.0000        32.7222       13.2394      175.2810    (   414)
   AREA                       24.   NCENT RURAL              10447.0000        35.6553       13.6821      187.1993    (   293)
   AREA                       31.   SOUTH LARGE               3686.0000        22.8944       12.5253      156.8825    (   161)
   AREA                       33.   SOUTH SMALL               4166.0000        30.4088       13.2302      175.0376    (   137)
   AREA                       34.   SOUTH RURAL               1840.0000        24.8649       10.5445      111.1870    (    74)
   AREA                       41.   WEST LARGE                6911.0000        34.0443       12.4659      155.3990    (   203)
   AREA                       42.   WEST MEDIUM               8142.0000        33.2327       12.8068      164.0153    (   245)
```

ANYONE WITH DATA GROUP

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
   BROKEN DOWN BY    POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     170730.0000       33.3327        12.8089       164.0674   (  5122)

POVERTY                     -99.    UNKNOWN                80593.0000       32.2372        12.5031       156.3267   (  2500)
   AREA                      11.    NE LARGE               26565.0000       31.4379        12.7400       162.3080   (   845)
   AREA                      12.    NE MEDIUM               5707.0000       33.5706        12.6743       160.6370   (   170)
   AREA                      13.    NE SMALL                 805.0000       32.2000         8.9582        80.2500   (    25)
   AREA                      21.    NCENT LARGE             8867.0000       31.5552        11.9175       142.0264   (   281)
   AREA                      22.    NCENT MEDIUM           13584.0000       39.2601        12.2761       150.7032   (   346)
   AREA                      24.    NCENT RURAL              823.0000       34.2917        12.5021       156.3025   (    24)
   AREA                      31.    SOUTH LARGE             8504.0000       26.9114         9.0693        82.2524   (   316)
   AREA                      32.    SOUTH MEDIUM            4405.0000       28.9803         8.9305        79.7546   (   152)
   AREA                      33.    SOUTH SMALL             1371.0000       35.1538        13.3151       177.2915   (    39)
   AREA                      34.    SOUTH RURAL              396.0000       23.2941        15.6675       245.4706   (    17)
   AREA                      41.    WEST LARGE              2523.0000       34.5616        13.0075       169.1941   (    73)
   AREA                      42.    WEST MEDIUM             4424.0000       34.2946        14.3415       205.6782   (   129)
   AREA                      43.    WEST SMALL              2619.0000       31.5542        11.4405       130.8842   (    83)

POVERTY                       1.    BELOW                  31582.0000       30.4552        11.4516       131.1401   (  1037)
   AREA                      11.    NE LARGE                3115.0000       29.9519        12.8232       164.4346   (   104)
   AREA                      12.    NE MEDIUM               3580.0000       32.5455        12.4234       154.3420   (   110)
   AREA                      13.    NE SMALL                1748.0000       27.3125         9.4447        89.2024   (    64)
   AREA                      21.    NCENT LARGE             6940.0000       32.7358        11.1973       125.3801   (   212)
   AREA                      22.    NCENT MEDIUM            2732.0000       32.9157        12.0002       144.0050   (    83)
   AREA                      24.    NCENT RURAL             2346.0000       34.5000        10.7932       116.4925   (    68)
   AREA                      31.    SOUTH LARGE             3919.0000       28.1942         9.7326        94.7229   (   139)
   AREA                      33.    SOUTH SMALL             1061.0000       25.2619        13.0010       169.0273   (    42)
   AREA                      34.    SOUTH RURAL              619.0000       19.3438         8.4380        71.2006   (    32)
   AREA                      41.    WEST LARGE               190.0000       27.1429         8.3751        70.1429   (     7)
   AREA                      42.    WEST MEDIUM             3467.0000       32.7075        10.1989       104.0184   (   106)
   AREA                      43.    WEST SMALL              1865.0000       26.6429         8.9912        80.8416   (    70)

POVERTY                       2.    ABOVE                  58555.0000       36.9432        13.3290       177.6634   (  1585)
   AREA                      11.    NE LARGE                3895.0000       34.1667        13.2818       176.4056   (   114)
   AREA                      12.    NE MEDIUM               7280.0000       40.6704        12.2483       150.0200   (   179)
   AREA                      13.    NE SMALL                6808.0000       37.2022        13.8114       190.7556   (   183)
   AREA                      21.    NCENT LARGE             7974.0000       37.6132        12.5370       157.1767   (   212)
   AREA                      22.    NCENT MEDIUM            8677.0000       39.8028        13.4655       181.3204   (   218)
   AREA                      24.    NCENT RURAL             6035.0000       39.7039        12.8439       164.9648   (   152)
   AREA                      31.    SOUTH LARGE             3170.0000       30.7767        11.2659       126.9202   (   103)
   AREA                      33.    SOUTH SMALL             3849.0000       34.9909        13.6493       186.3027   (   110)
   AREA                      34.    SOUTH RURAL             1021.0000       29.1714        11.2420       126.3815   (    35)
   AREA                      41.    WEST LARGE              1625.0000       37.7907        15.8798       252.1694   (    43)
   AREA                      42.    WEST MEDIUM             4877.0000       35.8603        14.0450       197.2618   (   136)
   AREA                      43.    WEST SMALL              3344.0000       33.4400        11.7166       137.2792   (   100)
```

A-4-101 (cont.)

```
REDO APPENDIX TABLES                                                    08/07/76      PAGE  172
ANYONE WITH DATA

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
   BROKEN DOWN BY    POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                 SUM            MEAN          STD DEV         VARIANCE         N

FOR ENTIRE POPULATION                                   123551.0000         26.5473         4.4723         20.0011    (  4654)

POVERTY                   -99.   UNKNOWN                 58654.0000         26.2199         4.4120         19.4659    (  2237)
   AREA                    11.   NE LARGE                17870.0000         26.0116         4.5749         20.9299    (   687)
   AREA                    12.   NE MEDIUM                4113.0000         26.3654         4.6045         21.2011    (   156)
   AREA                    13.   NE SMALL                  647.0000         25.8800         2.7737          7.6933    (    25)
   AREA                    21.   NCENT LARGE              6933.0000         26.0639         4.2096         17.7204    (   266)
   AREA                    22.   NCENT MEDIUM             9343.0000         27.9731         4.6849         21.9482    (   334)
   AREA                    24.   NCENT RURAL               594.0000         25.8261         3.4464         11.8775    (    23)
   AREA                    31.   SOUTH LARGE              6831.0000         24.1378         2.7635          7.6370    (   283)
   AREA                    32.   SOUTH MEDIUM             3828.0000         25.3510         3.3110         10.9626    (   151)
   AREA                    33.   SOUTH SMALL              1020.0000         27.5676         4.1065         16.8634    (    37)
   AREA                    34.   SOUTH RURAL               206.0000         25.7500         6.3415         40.2143    (     8)
   AREA                    41.   WEST LARGE               1894.0000         27.0571         4.6027         21.1851    (    70)
   AREA                    42.   WEST MEDIUM              3331.0000         27.5289         5.4146         29.3179    (   121)
   AREA                    43.   WEST SMALL               2044.0000         26.8947         3.6353         13.2154    (    76)

POVERTY                     1.   BELOW                   23516.0000         25.7005         3.7358         13.9562    (   915)
   AREA                    11.   NE LARGE                 2091.0000         25.5000         4.0923         16.7469    (    82)
   AREA                    12.   NE MEDIUM                2501.0000         25.7835         3.9350         15.4839    (    97)
   AREA                    13.   NE SMALL                 1461.0000         25.1897         2.6455          6.9985    (    58)
   AREA                    21.   NCENT LARGE              5183.0000         26.3096         4.1145         16.9291    (   197)
   AREA                    22.   NCENT MEDIUM             2058.0000         26.0506         4.4257         19.5871    (    79)
   AREA                    24.   NCENT RURAL              1713.0000         26.3538         3.1595          9.9822    (    65)
   AREA                    31.   SOUTH LARGE              3095.0000         24.1797         3.1980         10.2273    (   128)
   AREA                    33.   SOUTH SMALL               879.0000         25.1143         2.7841          7.7513    (    35)
   AREA                    34.   SOUTH RURAL               244.0000         24.4000         3.5653         12.7111    (    10)
   AREA                    41.   WEST LARGE                175.0000         25.0000         3.0000          9.0000    (     7)
   AREA                    42.   WEST MEDIUM              2522.0000         26.5474         3.4108         11.6334    (    95)
   AREA                    43.   WEST SMALL               1594.0000         25.7097         3.3358         11.1274    (    62)

POVERTY                     2.   ABOVE                   41381.0000         27.5506         4.7856         22.9018    (  1502)
   AREA                    11.   NE LARGE                 2531.0000         27.2151         4.6224         21.3663    (    93)
   AREA                    12.   NE MEDIUM                4909.0000         28.0514         4.9784         24.7847    (   175)
   AREA                    13.   NE SMALL                 4866.0000         28.2907         4.7643         22.6986    (   172)
   AREA                    21.   NCENT LARGE              5748.0000         27.9029         4.4885         20.1466    (   206)
   AREA                    22.   NCENT MEDIUM             5792.0000         27.9807         5.0155         25.1550    (   207)
   AREA                    24.   NCENT RURAL              4209.0000         28.0600         4.9687         24.6877    (   150)
   AREA                    31.   SOUTH LARGE              2438.0000         25.3958         3.8946         15.1680    (    96)
   AREA                    33.   SOUTH SMALL              2886.0000         26.9720         4.4350         19.6690    (   107)
   AREA                    34.   SOUTH RURAL               663.0000         26.5200         4.2634         18.1767    (    25)
   AREA                    41.   WEST LARGE               1180.0000         27.4419         5.9133         34.9668    (    43)
   AREA                    42.   WEST MEDIUM              3594.0000         27.6462         5.2575         27.6413    (   130)
   AREA                    43.   WEST SMALL               2565.0000         26.1735         3.6355         13.2170    (    98)
```

ANYONE WITH DATA

```
  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-103

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SSKMRD    STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   POVERTY   STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA      REGION AND CITYSIZE INDICATOR
--------------------------------------------------------------------------------------------

   VARIABLE            CODE   VALUE LABEL             SUM          MEAN      STD DEV     VARIANCE      N

FOR ENTIRE POPULATION                            119208.0000     25.6141     4.5696      20.8813   ( 4654)

POVERTY                -99.   UNKNOWN             56911.0000     25.4408     4.5270      20.4935   ( 2237)
   AREA                 11.   NE LARGE            17854.0000     25.9884     4.4968      20.2214   (  687)
   AREA                 12.   NE MEDIUM            4023.0000     25.7885     4.3344      18.7872   (  156)
   AREA                 13.   NE SMALL              622.0000     24.8800     3.2828      10.7767   (   25)
   AREA                 21.   NCENT LARGE          6626.0000     24.9098     4.3903      19.2748   (  266)
   AREA                 22.   NCENT MEDIUM         8939.0000     26.7635     4.5909      21.0760   (  334)
   AREA                 24.   NCENT RURAL           593.0000     25.7826     4.2099      17.7233   (   23)
   AREA                 31.   SOUTH LARGE          6622.0000     23.3993     3.9955      15.9641   (  283)
   AREA                 32.   SOUTH MEDIUM         3587.0000     23.7550     4.2442      18.0129   (  151)
   AREA                 33.   SOUTH SMALL           961.0000     25.9730     3.3787      11.4159   (   37)
   AREA                 34.   SOUTH RURAL           184.0000     23.0000     5.5549      30.8571   (    8)
   AREA                 41.   WEST LARGE           1850.0000     26.4286     4.3857      19.2340   (   70)
   AREA                 42.   WEST MEDIUM          3144.0000     25.9835     4.9665      24.6664   (  121)
   AREA                 43.   WEST SMALL           1906.0000     25.0789     4.4295      19.6204   (   76)

POVERTY                  1.   BELOW               22515.0000     24.6066     4.2758      18.2827   (  915)
   AREA                 11.   NE LARGE             2034.0000     24.8049     3.7199      13.8380   (   82)
   AREA                 12.   NE MEDIUM            2494.0000     25.7113     4.1931      17.5825   (   97)
   AREA                 13.   NE SMALL             1364.0000     23.5172     4.6273      21.4120   (   58)
   AREA                 21.   NCENT LARGE          4982.0000     25.2893     4.2705      18.2373   (  197)
   AREA                 22.   NCENT MEDIUM         1994.0000     25.2405     4.3359      18.8004   (   79)
   AREA                 24.   NCENT RURAL          1632.0000     25.1077     3.9612      15.6913   (   65)
   AREA                 31.   SOUTH LARGE          3084.0000     24.0938     4.0087      16.0699   (  128)
   AREA                 33.   SOUTH SMALL           789.0000     22.5429     5.2934      28.0202   (   35)
   AREA                 34.   SOUTH RURAL           220.0000     22.0000     4.5704      20.8889   (   10)
   AREA                 41.   WEST LARGE            158.0000     22.5714     5.3807      28.9524   (    7)
   AREA                 42.   WEST MEDIUM          2385.0000     25.1053     3.5922      12.9037   (   95)
   AREA                 43.   WEST SMALL           1379.0000     22.2419     4.2221      17.8258   (   62)

POVERTY                  2.   ABOVE               39782.0000     26.4860     4.6524      21.6450   ( 1502)
   AREA                 11.   NE LARGE             2485.0000     26.7204     4.4266      19.5949   (   93)
   AREA                 12.   NE MEDIUM            4854.0000     27.7371     4.2399      17.9765   (  175)
   AREA                 13.   NE SMALL             4573.0000     26.5872     4.9440      24.4426   (  172)
   AREA                 21.   NCENT LARGE          5529.0000     26.8398     4.1717      17.4035   (  206)
   AREA                 22.   NCENT MEDIUM         5606.0000     27.0821     4.5526      20.7262   (  207)
   AREA                 24.   NCENT RURAL          3996.0000     26.6400     4.7321      22.3930   (  150)
   AREA                 31.   SOUTH LARGE          2371.0000     24.6979     4.5748      20.9288   (   96)
   AREA                 33.   SOUTH SMALL          2718.0000     25.4019     4.8171      23.2049   (  107)
   AREA                 34.   SOUTH RURAL           642.0000     25.6800     3.8914      15.1433   (   25)
   AREA                 41.   WEST LARGE           1136.0000     26.4186     5.3329      28.4396   (   43)
   AREA                 42.   WEST MEDIUM          3396.0000     26.1231     4.9337      24.3413   (  130)
   AREA                 43.   WEST SMALL           2476.0000     25.2653     4.6118      21.2691   (   98)
```

A-4-103 (cont.)

```
REDO APPENDIX TABLES                                                    08/07/76     PAGE  216
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE    SSKMMA     STAND SC SPR KIND MAT NUMBERS
   BROKEN DOWN BY     POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
               BY     AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE     VALUE LABEL                    SUM            MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                        105590.0000         22.6880        6.5407        42.7804    (  4654)

POVERTY                    -99.   UNKNOWN                     49431.0000         22.0970        6.2517        39.0832    (  2237)
   AREA                     11.   NE LARGE                    15018.0000         21.8603        6.2341        38.8638    (   687)
   AREA                     12.   NE MEDIUM                    3469.0000         22.2372        6.4529        41.6402    (   156)
   AREA                     13.   NE SMALL                      548.0000         21.9200        5.0160        25.1600    (    25)
   AREA                     21.   NCENT LARGE                  5846.0000         21.9774        5.8380        34.0825    (   266)
   AREA                     22.   NCENT MEDIUM                 8500.0000         25.4491        6.2904        39.5695    (   334)
   AREA                     24.   NCENT RURAL                   549.0000         23.8696        5.5375        30.6640    (    23)
   AREA                     31.   SOUTH LARGE                  5374.0000         18.9894        5.2905        27.9992    (   283)
   AREA                     32.   SOUTH MEDIUM                 3026.0000         20.0397        4.6374        21.5051    (   151)
   AREA                     33.   SOUTH SMALL                   847.0000         22.8919        6.8548        46.9880    (    37)
   AREA                     34.   SOUTH RURAL                   185.0000         23.1250        6.6641        44.4107    (     8)
   AREA                     41.   WEST LARGE                   1534.0000         21.9143        6.3079        39.7896    (    70)
   AREA                     42.   WEST MEDIUM                  2827.0000         23.3636        7.0166        49.2333    (   121)
   AREA                     43.   WEST SMALL                   1708.0000         22.4737        4.5180        20.4126    (    76)

POVERTY                      1.   BELOW                       19830.0000         21.6721        6.0826        36.9974    (   915)
   AREA                     11.   NE LARGE                     1960.0000         23.9024        8.1870        67.0274    (    82)
   AREA                     12.   NE MEDIUM                    2053.0000         21.1649        6.1164        37.4100    (    97)
   AREA                     13.   NE SMALL                     1161.0000         20.0172        5.0800        25.8067    (    58)
   AREA                     21.   NCENT LARGE                  4331.0000         21.9848        5.4749        29.9743    (   197)
   AREA                     22.   NCENT MEDIUM                 1759.0000         22.2658        6.6172        43.7874    (    79)
   AREA                     24.   NCENT RURAL                  1582.0000         24.3385        5.4293        29.4774    (    65)
   AREA                     31.   SOUTH LARGE                  2499.0000         19.5234        5.6191        31.5742    (   128)
   AREA                     33.   SOUTH SMALL                   687.0000         19.6286        5.6312        31.7109    (    35)
   AREA                     34.   SOUTH RURAL                   183.0000         18.3000        4.6440        21.5667    (    10)
   AREA                     41.   WEST LARGE                    140.0000         20.0000        4.6547        21.6667    (     7)
   AREA                     42.   WEST MEDIUM                  2156.0000         22.6947        6.5201        42.5122    (    95)
   AREA                     43.   WEST SMALL                   1319.0000         21.2742        3.2852        10.7924    (    62)

POVERTY                      2.   ABOVE                       36329.0000         24.1871        6.9619        48.4680    (  1502)
   AREA                     11.   NE LARGE                     2202.0000         23.6774        7.6488        58.5035    (    93)
   AREA                     12.   NE MEDIUM                    4315.0000         24.6571        6.6925        44.7898    (   175)
   AREA                     13.   NE SMALL                     4096.0000         23.8140        6.6947        44.8190    (   172)
   AREA                     21.   NCENT LARGE                  4870.0000         23.6408        6.5888        43.4118    (   206)
   AREA                     22.   NCENT MEDIUM                 5441.0000         26.2850        7.4470        55.4572    (   207)
   AREA                     24.   NCENT RURAL                  4046.0000         26.9733        5.6008        31.3684    (   150)
   AREA                     31.   SOUTH LARGE                  1904.0000         19.8333        5.6970        32.4561    (    96)
   AREA                     33.   SOUTH SMALL                  2455.0000         22.9439        6.5931        43.4685    (   107)
   AREA                     34.   SOUTH RURAL                   571.0000         22.8400        3.2619        10.6400    (    25)
   AREA                     41.   WEST LARGE                   1020.0000         23.7209        8.3362        69.4917    (    43)
   AREA                     42.   WEST MEDIUM                  3187.0000         24.5154        8.1061        65.7091    (   130)
   AREA                     43.   WEST SMALL                   2222.0000         22.6735        5.6254        31.6449    (    98)
```

A-4-104 (cont.)

```
  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     155837.0000      37.1837      10.4335 .    108.8588   (  4191)

POVERTY                   -99.    UNKNOWN                  98198.0000      36.5456      10.5134      110.5310   (  2687)
   AREA                    11.    NE LARGE                 47938.0000      35.6152      10.1056      102.1239   (  1346)
   AREA                    12.    NE MEDIUM                 6025.0000      37.6563       9.2288       85.1704   (   160)
   AREA                    13.    NE SMALL                  1761.0000      39.1333      12.0219      144.5273   (    45)
   AREA                    21.    NCENT LARGE               5077.0000      39.0538      12.0633      145.5242   (   130)
   AREA                    22.    NCENT MEDIUM              9411.0000      41.8267      11.5156      132.6082   (   225)
   AREA                    24.    NCENT RURAL               3124.0000      40.5714       9.3280       87.0113   (    77)
   AREA                    31.    SOUTH LARGE               4930.0000      29.6988       6.4596       41.7269   (   166)
   AREA                    33.    SOUTH SMALL               4255.0000      45.7527      11.3661      129.1882   (    93)
   AREA                    34.    SOUTH RURAL               2049.0000      36.5893       9.4807       89.8828   (    56)
   AREA                    41.    WEST LARGE                8464.0000      35.5630       9.7198       94.4749   (   238)
   AREA                    42.    WEST MEDIUM               1906.0000      38.1200      10.5340      110.9649   (    50)
   AREA                    43.    WEST SMALL                3258.0000      32.2574       7.1521       51.1531   (   101)

POVERTY                     1.    BELOW                    20347.0000      34.1966       7.9037       62.4680   (   595)
   AREA                    11.    NE LARGE                  2199.0000      34.3594       8.0817       65.3132   (    64)
   AREA                    12.    NE MEDIUM                 2309.0000      34.4627       8.3254       69.3130   (    67)
   AREA                    13.    NE SMALL                  1043.0000      35.9655       7.4233       55.1059   (    29)
   AREA                    21.    NCENT LARGE               2587.0000      33.5974       7.8393       61.4542   (    77)
   AREA                    22.    NCENT MEDIUM              1884.0000      36.2308       8.0698       65.1222   (    52)
   AREA                    24.    NCENT RURAL               1374.0000      37.1351      10.2636      105.3423   (    37)
   AREA                    31.    SOUTH LARGE               1215.0000      31.1530       5.9051       34.8704   (    39)
   AREA                    33.    SOUTH SMALL                556.0000      34.7500       7.7675       60.3333   (    16)
   AREA                    34.    SOUTH RURAL               1295.0000      34.0789       6.0062       36.0747   (    38)
   AREA                    41.    WEST LARGE                2962.0000      34.8471       8.7919       77.2978   (    85)
   AREA                    42.    WEST MEDIUM               1346.0000      33.6500       6.3146       39.8744   (    40)
   AREA                    43.    WEST SMALL                1577.0000      30.9216       6.0921       37.1137   (    51)

POVERTY                     2.    ABOVE                    37292.0000      41.0253      10.6148      112.6745   (   909)
   AREA                    11.    NE LARGE                  3792.0000      39.0928       9.4120       88.5851   (    97)
   AREA                    12.    NE MEDIUM                 3936.0000      39.3600      10.1000      102.0105   (   100)
   AREA                    13.    NE SMALL                  3756.0000      40.8261       9.0062       81.1123   (    92)
   AREA                    21.    NCENT LARGE               3079.0000      42.1781      10.6866      114.2040   (    73)
   AREA                    22.    NCENT MEDIUM              5801.0000      42.6544       9.7930       95.9019   (   136)
   AREA                    24.    NCENT RURAL               5982.0000      48.6341       9.8923       97.8569   (   123)
   AREA                    31.    SOUTH LARGE               1481.0000      33.6591       9.0988       82.7881   (    44)
   AREA                    33.    SOUTH SMALL               2010.0000      44.6667      12.6760      160.6818   (    45)
   AREA                    34.    SOUTH RURAL               1098.0000      36.6000       5.6361       31.7655   (    30)
   AREA                    41.    WEST LARGE                2482.0000      38.1846      10.0575      101.1529   (    65)
   AREA                    42.    WEST MEDIUM               1850.0000      41.1111      11.9663      143.1919   (    45)
   AREA                    43.    WEST SMALL                2025.0000      34.3220       8.2220       67.6014   (    59)

 TOTAL CASES =    12996
MISSING CASES =    8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SSIMMA      STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY    POVERTY     STATUS RELATIVE TO NORC POVERTY LINE
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE     VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                       153729.0000       36.6807       11.7979       139.1911   (  4191)

POVERTY                    -99.   UNKNOWN                    98064.0000       36.4957       12.1506       147.6365   (  2687)
   AREA                     11.   NE LARGE                   49899.0000       37.0721       12.6875       160.9725   (  1346)
   AREA                     12.   NE MEDIUM                   5816.0000       36.3500       11.4569       131.2604   (   160)
   AREA                     13.   NE SMALL                    1933.0000       42.9556       10.3286       106.6798   (    45)
   AREA                     21.   NCENT LARGE                 4688.0000       36.0615       13.3954       179.4380   (   130)
   AREA                     22.   NCENT MEDIUM                8865.0000       39.4000       10.7790       116.1875   (   225)
   AREA                     24.   NCENT RURAL                 3245.0000       42.1429       11.8296       139.9398   (    77)
   AREA                     31.   SOUTH LARGE                 4587.0000       27.6325        9.0382        81.6884   (   166)
   AREA                     33.   SOUTH SMALL                 3846.0000       41.3548       11.3785       129.4705   (    93)
   AREA                     34.   SOUTH RURAL                 1866.0000       33.3214        9.3032        86.5494   (    56)
   AREA                     41.   WEST LARGE                  8114.0000       34.0924       10.2340       104.7340   (   238)
   AREA                     42.   WEST MEDIUM                 1906.0000       38.1200       12.5822       158.3118   (    50)
   AREA                     43.   WEST SMALL                  3299.0000       32.6634        8.0278        64.4455   (   101)

POVERTY                      1.   BELOW                      19428.0000       32.6521        8.9564        80.2171   (   595)
   AREA                     11.   NE LARGE                    2255.0000       35.2344        9.8830        97.6744   (    64)
   AREA                     12.   NE MEDIUM                   2001.0000       29.8657        7.3894        54.6029   (    67)
   AREA                     13.   NE SMALL                     999.0000       34.4483        8.1529        66.4704   (    29)
   AREA                     21.   NCENT LARGE                 2359.0000       30.6364        9.0567        82.0239   (    77)
   AREA                     22.   NCENT MEDIUM                1849.0000       35.5577        7.8900        62.2515   (    52)
   AREA                     24.   NCENT RURAL                 1453.0000       39.2703       12.1716       148.1471   (    37)
   AREA                     31.   SOUTH LARGE                 1130.0000       28.9744        6.0935        37.1309   (    39)
   AREA                     33.   SOUTH SMALL                  522.0000       32.6250        5.2899        27.9833   (    16)
   AREA                     34.   SOUTH RURAL                 1085.0000       28.5526        8.2025        67.2809   (    38)
   AREA                     41.   WEST LARGE                  2858.0000       33.6235        8.9655        80.3804   (    85)
   AREA                     42.   WEST MEDIUM                 1322.0000       33.0500        8.1459        66.3564   (    40)
   AREA                     43.   WEST SMALL                  1595.0000       31.2745        7.5712        57.3231   (    51)

POVERTY                      2.   ABOVE                      36237.0000       39.8647       11.4982       132.2096   (   909)
   AREA                     11.   NE LARGE                    3764.0000       38.8041        9.7164        94.4091   (    97)
   AREA                     12.   NE MEDIUM                   3750.0000       37.5000       10.7436       115.4242   (   100)
   AREA                     13.   NE SMALL                    3625.0000       39.4022       10.6380       113.1661   (    92)
   AREA                     21.   NCENT LARGE                 2951.0000       40.4247       12.2530       150.1366   (    73)
   AREA                     22.   NCENT MEDIUM                5572.0000       40.9706        9.2014        84.6658   (   136)
   AREA                     24.   NCENT RURAL                 6156.0000       50.0488       11.1384       124.0632   (   123)
   AREA                     31.   SOUTH LARGE                 1290.0000       29.3182        9.9808        99.6173   (    44)
   AREA                     33.   SOUTH SMALL                 1876.0000       41.6889       10.3985       108.1283   (    45)
   AREA                     34.   SOUTH RURAL                  989.0000       32.9667        6.5784        43.2747   (    30)
   AREA                     41.   WEST LARGE                  2344.0000       36.0615       10.8165       116.9962   (    65)
   AREA                     42.   WEST MEDIUM                 1926.0000       42.8000       11.0054       121.1182   (    45)
   AREA                     43.   WEST SMALL                  1994.0000       33.7966        9.4354        89.0269   (    59)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR      STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM           MEAN         STD DEV        VARIANCE         N

FOR ENTIRE POPULATION                                      145960.0000        48.7346        14.9501        223.5050     (  2995)

POVERTY                     -99.   UNKNOWN                  65562.0000        48.1366        13.9462        194.4971     (  1362)
   AREA                      11.   NE LARGE                 35615.0000        46.3737        14.3485        205.8797     (   768)
   AREA                      12.   NE MEDIUM                 1476.0000        56.7692        13.2372        175.2246     (    26)
   AREA                      13.   NE SMALL                  3599.0000        54.5303        12.9380        167.3914     (    66)
   AREA                      21.   NCENT LARGE               4215.0000        46.8333        12.0348        144.8371     (    90)
   AREA                      22.   NCENT MEDIUM              4583.0000        54.5595        11.6406        135.5024     (    84)
   AREA                      24.   NCENT RURAL               3500.0000        50.0000         9.5447         91.1014     (    70)
   AREA                      31.   SOUTH LARGE               3909.0000        39.8878         9.4889         90.0388     (    98)
   AREA                      33.   SOUTH SMALL               4322.0000        59.2055        13.3499        178.2211     (    73)
   AREA                      41.   WEST LARGE                  45.0000        45.0000              0               0     (     1)
   AREA                      42.   WEST MEDIUM               2342.0000        55.7619        10.5410        111.1127     (    42)
   AREA                      43.   WEST SMALL                1956.0000        44.4545        11.2590        126.7653     (    44)

POVERTY                       1.   BELOW                    24508.0000        43.2240        15.8627        251.6264     (   567)
   AREA                      11.   NE LARGE                  4926.0000        43.5929        17.0983        292.3507     (   113)
   AREA                      12.   NE MEDIUM                 3100.0000        44.2857        13.9192        193.7433     (    70)
   AREA                      13.   NE SMALL                  1600.0000        44.4444        15.0417        226.2540     (    36)
   AREA                      21.   NCENT LARGE               2674.0000        44.5667        15.4353        238.2497     (    60)
   AREA                      22.   NCENT MEDIUM              2111.0000        45.8913        15.1088        228.2768     (    46)
   AREA                      24.   NCENT RURAL               2041.0000        49.7805         8.9875         80.7756     (    41)
   AREA                      31.   SOUTH LARGE               2082.0000        33.5806        17.9777        323.1983     (    62)
   AREA                      33.   SOUTH SMALL               1010.0000        42.0833        19.3366        373.9058     (    24)
   AREA                      34.   SOUTH RURAL                820.0000        39.0476        15.2986        234.0476     (    21)
   AREA                      41.   WEST LARGE                 195.0000        48.7500         2.9861          8.9167     (     4)
   AREA                      42.   WEST MEDIUM               2142.0000        44.6250        15.6852        246.0266     (    48)
   AREA                      43.   WEST SMALL                1807.0000        43.0238        13.5403        183.3409     (    42)

POVERTY                       2.   ABOVE                    55890.0000        52.4296        14.6887        215.7589     (  1066)
   AREA                      11.   NE LARGE                  6380.0000        49.0769        12.2352        149.6995     (   130)
   AREA                      12.   NE MEDIUM                 6513.0000        52.9512        12.9614        167.9976     (   123)
   AREA                      13.   NE SMALL                  6934.0000        54.1719        14.1967        201.5450     (   128)
   AREA                      21.   NCENT LARGE               4959.0000        51.1237        18.4658        340.9845     (    97)
   AREA                      22.   NCENT MEDIUM              8497.0000        53.7785        11.4734        131.6385     (   158)
   AREA                      24.   NCENT RURAL               7250.0000        59.4262        11.2411        126.3623     (   122)
   AREA                      31.   SOUTH LARGE               1787.0000        37.2292        19.5483        382.1379     (    48)
   AREA                      33.   SOUTH SMALL               5020.0000        59.0588        12.4665        155.4132     (    85)
   AREA                      34.   SOUTH RURAL                849.0000        49.9412         5.0059         25.0588     (    17)
   AREA                      41.   WEST LARGE                1614.0000        53.8000        14.8124        219.4069     (    30)
   AREA                      42.   WEST MEDIUM               3260.0000        50.9375        17.1778        295.0754     (    64)
   AREA                      43.   WEST SMALL                2827.0000        44.1719        13.5208        182.8113     (    64)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR   77.0 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                   SUM           MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                       153133.0000       51.1295       11.2374      126.2791   ( 2995)

POVERTY                    -99.    UNKNOWN                   68046.0000       49.9604       11.0284      121.6266   ( 1362)
   AREA                     11.    NE LARGE                  37355.0000       48.6393       10.3761      107.6624   (  768)
   AREA                     12.    NE MEDIUM                  1343.0000       51.6538       12.7497      162.5554   (   26)
   AREA                     13.    NE SMALL                   3682.0000       55.7879       12.1459      147.5235   (   66)
   AREA                     21.    NCENT LARGE                4486.0000       49.8444       11.4420      130.9194   (   90)
   AREA                     22.    NCENT MEDIUM               4495.0000       53.5119       10.7193      114.9135   (   84)
   AREA                     24.    NCENT RURAL                3757.0000       53.6714       10.5949      112.2528   (   70)
   AREA                     31.    SOUTH LARGE                4124.0000       42.0816        8.2295       67.7252   (   98)
   AREA                     33.    SOUTH SMALL                4314.0000       59.0959       10.1724      103.4768   (   73)
   AREA                     41.    WEST LARGE                   36.0000       36.0000             0             0   (    1)
   AREA                     42.    WEST MEDIUM                2360.0000       56.1905        8.4283       71.0360   (   42)
   AREA                     43.    WEST SMALL                 2094.0000       47.5909        9.0331       81.5962   (   44)

POVERTY                      1.    BELOW                     26993.0000       47.6067       10.0716      101.4369   (  567)
   AREA                     11.    NE LARGE                   5412.0000       47.8938       11.0319      121.7029   (  113)
   AREA                     12.    NE MEDIUM                  3242.0000       46.3143        9.9906       99.8128   (   70)
   AREA                     13.    NE SMALL                   1654.0000       45.9444        8.6815       75.3683   (   36)
   AREA                     21.    NCENT LARGE                2833.0000       47.2167       10.1047      102.1048   (   60)
   AREA                     22.    NCENT MEDIUM               2316.0000       50.3478        9.7393       94.8541   (   46)
   AREA                     24.    NCENT RURAL                2172.0000       52.9756       11.5315      132.9744   (   41)
   AREA                     31.    SOUTH LARGE                2669.0000       43.0484        8.1289       66.0796   (   62)
   AREA                     33.    SOUTH SMALL                1240.0000       51.6667        9.6983       94.0580   (   24)
   AREA                     34.    SOUTH RURAL                 855.0000       40.7143        8.0196       64.3143   (   21)
   AREA                     41.    WEST LARGE                  184.0000       46.0000        7.2572       52.6667   (    4)
   AREA                     42.    WEST MEDIUM                2338.0000       48.7083        9.4485       89.2748   (   48)
   AREA                     43.    WEST SMALL                 2078.0000       49.4762        7.2456       52.4994   (   42)

POVERTY                      2.    ABOVE                     58094.0000       54.4972       11.2231      125.9573   ( 1066)
   AREA                     11.    NE LARGE                   6673.0000       51.3308       10.5848      112.0370   (  130)
   AREA                     12.    NE MEDIUM                  6572.0000       53.4309       11.8163      139.6243   (  123)
   AREA                     13.    NE SMALL                   7137.0000       55.7578       11.8533      140.4999   (  128)
   AREA                     21.    NCENT LARGE                5189.0000       53.4948       11.9584      143.0026   (   97)
   AREA                     22.    NCENT MEDIUM               8738.0000       55.3038        9.9628       99.2574   (  158)
   AREA                     24.    NCENT RURAL                7402.0000       60.6721       10.1724      103.4784   (  122)
   AREA                     31.    SOUTH LARGE                2105.0000       43.8542        8.8317       77.9996   (   48)
   AREA                     33.    SOUTH SMALL                5005.0000       58.8824        9.9981       99.9622   (   85)
   AREA                     34.    SOUTH RURAL                 870.0000       51.1765        7.5020       56.2794   (   17)
   AREA                     41.    WEST LARGE                 1556.0000       51.8667       11.6611      135.9816   (   30)
   AREA                     42.    WEST MEDIUM                3624.0000       56.6250       10.0167      100.3333   (   64)
   AREA                     43.    WEST SMALL                 3223.0000       50.3594        8.3597       69.8847   (   64)

  TOTAL CASES =   12996
MISSING CASES =   10001 OR  77.0 PCT.
```

```
SUBFILE   NF1304     COHORT9

- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    S53MR
    BROKEN DOWN BY    POVERTY     STATUS RELATIVE TO NORC POVERTY LINE
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                CODE     VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                   226369.0000        57.4395        13.2861       176.5195    (  3941)

POVERTY                      -99.   UNKNOWN             108076.0000        55.9400        13.0847       171.2093    (  1932)
   AREA                       11.   NE LARGE             37252.0000        54.1453        11.4914       132.0516    (   688)
   AREA                       12.   NE MEDIUM             9470.0000        58.0982        11.0483       122.0644    (   163)
   AREA                       13.   NE SMALL               367.0000        61.1667        12.9525       167.7667    (     6)
   AREA                       21.   NCENT LARGE           4277.0000        54.8333        13.6443       186.1667    (    78)
   AREA                       22.   NCENT MEDIUM          8645.0000        61.3121        14.8021       219.1019    (   141)
   AREA                       24.   NCENT RURAL           5982.0000        60.4242        13.2118       174.5529    (    99)
   AREA                       31.   SOUTH LARGE          13107.0000        46.9785        10.9199       119.2441    (   279)
   AREA                       33.   SOUTH SMALL           6405.0000        66.7188        12.3345       152.1411    (    96)
   AREA                       34.   SOUTH RURAL           1428.0000        54.9231         9.3463        87.3538    (    26)
   AREA                       41.   WEST LARGE            4286.0000        58.7123        10.8621       117.9855    (    73)
   AREA                       42.   WEST MEDIUM           7305.0000        60.3719        13.5198       182.7855    (   121)
   AREA                       43.   WEST SMALL            3581.0000        51.8986        11.5773       134.0337    (    69)
   AREA                       44.   WEST RURAL            5971.0000        64.2043        12.5677       157.9469    (    93)

POVERTY                        1.   BELOW                37338.0000        52.4410        11.4191       130.3960    (   712)
   AREA                       11.   NE LARGE              3737.0000        54.1594        11.4270       130.5772    (    69)
   AREA                       12.   NE MEDIUM             3309.0000        52.5238        11.8415       140.2212    (    63)
   AREA                       13.   NE SMALL              1374.0000        52.8462        12.4730       155.5754    (    26)
   AREA                       21.   NCENT LARGE           5965.0000        50.9829        10.9921       120.8273    (   117)
   AREA                       22.   NCENT MEDIUM          2949.0000        55.6415         8.4514        71.4267    (    53)
   AREA                       24.   NCENT RURAL           2756.0000        59.9130        11.5081       132.4367    (    46)
   AREA                       31.   SOUTH LARGE           4181.0000        46.4556        11.6186       134.9934    (    90)
   AREA                       33.   SOUTH SMALL           1406.0000        54.0769        11.0487       122.0738    (    26)
   AREA                       34.   SOUTH RURAL           2950.0000        50.8621         9.1928        84.5070    (    58)
   AREA                       41.   WEST LARGE            2846.0000        50.8214        11.7367       137.7494    (    56)
   AREA                       42.   WEST MEDIUM           3139.0000        55.0702         8.5646        73.3521    (    57)
   AREA                       43.   WEST SMALL            2491.0000        51.8958        11.6313       135.2868    (    48)
   AREA                       44.   WEST RURAL             235.0000        78.3333         5.5076        30.3333    (     3)

POVERTY                        2.   ABOVE                80955.0000        62.4171        12.9666       168.1322    (  1297)
   AREA                       11.   NE LARGE              4404.0000        57.1948        11.0454       122.0010    (    77)
   AREA                       12.   NE MEDIUM             7332.0000        62.6667        12.5059       156.3966    (   117)
   AREA                       13.   NE SMALL              8072.0000        63.5591        13.7123       188.0262    (   127)
   AREA                       21.   NCENT LARGE           6823.0000        60.3805        13.9363       194.2200    (   113)
   AREA                       22.   NCENT MEDIUM         11443.0000        62.5301        12.4674       155.4373    (   183)
   AREA                       24.   NCENT RURAL          13718.0000        69.2828        11.2913       127.4932    (   198)
   AREA                       31.   SOUTH LARGE           3418.0000        51.0149        10.7598       115.7725    (    67)
   AREA                       33.   SOUTH SMALL           5306.0000        67.1646         9.7684        95.4213    (    79)
   AREA                       34.   SOUTH RURAL           2777.0000        55.5400         7.6511        58.5392    (    50)
   AREA                       41.   WEST LARGE            2968.0000        58.1961        11.8170       139.6408    (    51)
   AREA                       42.   WEST MEDIUM           7377.0000        63.5948        12.6560       160.1735    (   116)
```

A-4-109 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE        N

 AREA                     43.  WEST SMALL               3894.0000       54.0833         9.7847       95.7394    (     72)
 AREA                     44.  WEST RURAL               3423.0000       72.8298        10.8193      117.0574    (     47)

 TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

A-4-110

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD OR MAT TOTAL MATH
    BROKEN DOWN BY   POVERTY    STATUS RELATIVE TO NORC POVERTY LINE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   249263.0000       63.2487      12.9306      167.2006   (  3941)

POVERTY                    -99.    UNKNOWN              120236.0000       62.2340      12.7117      161.5869   (  1932)
   AREA                     11.    NE LARGE              41378.0000       60.1474      11.8895      141.3596   (   688)
   AREA                     12.    NE MEDIUM             10528.0000       64.5890      11.8200      139.7127   (   163)
   AREA                     13.    NE SMALL                429.0000       71.5000      12.4700      155.5000   (     6)
   AREA                     21.    NCENT LARGE            4763.0000       61.0641      12.3186      151.7491   (    78)
   AREA                     22.    NCENT MEDIUM           9578.0000       67.9291      12.1489      147.5949   (   141)
   AREA                     24.    NCENT RURAL            6698.0000       67.6566       9.5374       90.9625   (    99)
   AREA                     31.    SOUTH LARGE           15087.0000       54.0753       9.8030       96.0986   (   279)
   AREA                     33.    SOUTH SMALL            7062.0000       73.5625      11.4357      130.7750   (    96)
   AREA                     34.    SOUTH RURAL            1634.0000       62.8462      11.5955      134.4554   (    26)
   AREA                     41.    WEST LARGE             4696.0000       64.3288      12.7705      163.0849   (    73)
   AREA                     42.    WEST MEDIUM            7800.0000       64.4628      13.4858      181.8674   (   121)
   AREA                     43.    WEST SMALL             4054.0000       58.7536      11.2713      127.0413   (    69)
   AREA                     44.    WEST RURAL             6529.0000       70.2043      12.7455      162.4469   (    93)

POVERTY                      1.    BELOW                 41913.0000       58.8666      11.4423      130.9259   (   712)
   AREA                     11.    NE LARGE               4150.0000       60.1449      11.8598      140.6552   (    69)
   AREA                     12.    NE MEDIUM              3730.0000       59.2063      12.7560      162.7148   (    63)
   AREA                     13.    NE SMALL               1442.0000       55.4615      10.3893      107.9385   (    26)
   AREA                     21.    NCENT LARGE            6823.0000       58.3162      10.0932      101.8733   (   117)
   AREA                     22.    NCENT MEDIUM           3384.0000       63.8491      10.8918      118.6306   (    53)
   AREA                     24.    NCENT RURAL            3127.0000       67.9783      11.3245      128.2440   (    46)
   AREA                     31.    SOUTH LARGE            4807.0000       53.4111      10.3380      106.8740   (    90)
   AREA                     33.    SOUTH SMALL            1616.0000       62.1538       8.5823       73.6554   (    26)
   AREA                     34.    SOUTH RURAL            3352.0000       57.7931      10.5178      110.6231   (    58)
   AREA                     41.    WEST LARGE             3194.0000       57.0357       9.3010       86.5078   (    56)
   AREA                     42.    WEST MEDIUM            3251.0000       57.0351      12.5811      158.2845   (    57)
   AREA                     43.    WEST SMALL             2798.0000       58.2917      10.5789      111.9131   (    48)
   AREA                     44.    WEST RURAL              239.0000       79.6667       8.0208       64.3333   (     3)

POVERTY                      2.    ABOVE                 87114.0000       67.1658      12.9724      168.2835   (  1297)
   AREA                     11.    NE LARGE               4763.0000       61.8571      11.7526      138.1241   (    77)
   AREA                     12.    NE MEDIUM              8128.0000       69.4701      13.6132      185.3202   (   117)
   AREA                     13.    NE SMALL               8461.0000       66.6220      13.6213      185.5396   (   127)
   AREA                     21.    NCENT LARGE            7096.0000       62.7965      13.4935      182.0743   (   113)
   AREA                     22.    NCENT MEDIUM          12551.0000       68.5847      11.5346      133.0464   (   183)
   AREA                     24.    NCENT RURAL           14681.0000       74.1465      10.0063      100.1256   (   198)
   AREA                     31.    SOUTH LARGE            3706.0000       55.3134      10.1656      103.3397   (    67)
   AREA                     33.    SOUTH SMALL            5822.0000       73.6962      11.1313      123.9065   (    79)
   AREA                     34.    SOUTH RURAL            3059.0000       61.1800      10.3385      106.8853   (    50)
   AREA                     41.    WEST LARGE             3178.0000       62.3137      12.0756      145.8196   (    51)
   AREA                     42.    WEST MEDIUM            7809.0000       67.3190      12.0091      144.2191   (   116)
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    MOTHERED   MOTHER EDUCATION
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                    SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  250957.0000       28.2577       13.0889      171.3195   (  8881)

MOTHERED                 -97.                          105219.0000       27.3865       12.9954      168.8792   (  3842)
   AREA                   11.   NE LARGE                49443.0000       27.5602       12.6416      159.8093   (  1794)
   AREA                   12.   NE MEDIUM                5689.0000       25.9772       11.4845      131.8940   (   219)
   AREA                   13.   NE SMALL                  819.0000       29.2500       12.7530      162.6389   (    28)
   AREA                   21.   NCENT LARGE             10847.0000       26.9826       13.2812      176.3912   (   402)
   AREA                   22.   NCENT MEDIUM             9493.0000       32.3993       13.9476      194.5352   (   293)
   AREA                   24.   NCENT RURAL               934.0000       27.4706       12.7713      163.1052   (    34)
   AREA                   31.   SOUTH LARGE             10266.0000       21.1235       10.9566      120.0466   (   486)
   AREA                   33.   SOUTH SMALL              1338.0000       30.4091       13.4533      180.9915   (    44)
   AREA                   34.   SOUTH RURAL               821.0000       23.4571       11.9098      141.8437   (    35)
   AREA                   41.   WEST LARGE               7426.0000       32.4279       13.0566      170.4740   (   229)
   AREA                   42.   WEST MEDIUM              4418.0000       29.4533       13.6040      185.0683   (   150)
   AREA                   43.   WEST SMALL               2943.0000       27.5047       13.7500      189.0637   (   107)
   AREA                   44.   WEST RURAL                782.0000       37.2381       10.5589      111.4905   (    21)

MOTHERED                   1.   HIGH SCHOOL INCOMPLE    61126.0000       24.8783       11.7445      137.9343   (  2457)
   AREA                   11.   NE LARGE                 8994.0000       26.9281       12.8983      166.3672   (   334)
   AREA                   12.   NE MEDIUM                5778.0000       24.2773       11.8035      139.3236   (   238)
   AREA                   13.   NE SMALL                 2206.0000       23.4681       10.8694      118.1441   (    94)
   AREA                   21.   NCENT LARGE             10586.0000       25.6320       10.8666      118.0827   (   413)
   AREA                   22.   NCENT MEDIUM             6384.0000       24.6486       11.3866      129.6551   (   259)
   AREA                   24.   NCENT RURAL              3136.0000       23.7576       13.1097      171.8644   (   132)
   AREA                   31.   SOUTH LARGE              4954.0000       20.3868       10.0131      100.2630   (   243)
   AREA                   33.   SOUTH SMALL              1438.0000       19.9722       10.4112      108.3936   (    72)
   AREA                   34.   SOUTH RURAL              2110.0000       20.2885       10.3302      106.7121   (   104)
   AREA                   41.   WEST LARGE               6240.0000       29.8565       11.9228      142.1524   (   209)
   AREA                   42.   WEST MEDIUM              4551.0000       27.2515       11.7354      137.7195   (   167)
   AREA                   43.   WEST SMALL               4363.0000       24.2389       10.7985      116.6074   (   180)
   AREA                   44.   WEST RURAL                386.0000       32.1667        8.2223       67.6061   (    12)

MOTHERED                   2.   HIGH SCHOOL COMPLETE    84612.0000       32.7699       13.2092      174.4825   (  2582)
   AREA                   11.   NE LARGE                 7712.0000       30.1250       12.6140      159.1137   (   256)
   AREA                   12.   NE MEDIUM                7535.0000       33.3407       12.9763      168.3856   (   226)
   AREA                   13.   NE SMALL                 6731.0000       32.8341       13.9927      195.7959   (   205)
   AREA                   21.   NCENT LARGE             10658.0000       33.3062       13.8713      192.4138   (   320)
   AREA                   22.   NCENT MEDIUM            11573.0000       34.8584       12.6489      159.9950   (   332)
   AREA                   24.   NCENT RURAL              9670.0000       37.0498       12.8582      165.3321   (   261)
   AREA                   31.   SOUTH LARGE              3466.0000       22.9536       12.3733      153.0978   (   151)
   AREA                   33.   SOUTH SMALL              3678.0000       32.5487       12.4649      155.3748   (   113)
   AREA                   34.   SOUTH RURAL              1491.0000       26.6250        9.5509       91.2205   (    56)
   AREA                   41.   WEST LARGE               6555.0000       32.7750       12.1450      147.5019   (   200)
   AREA                   42.   WEST MEDIUM              7800.0000       33.1915       12.9275      167.1213   (   235)
```

A-4-111 (cont.)

```
  VARIABLE            CODE    VALUE LABEL                 SUM         MEAN       STD DEV      VARIANCE        N

 AREA                  43.  WEST SMALL             4125.0000      30.3309      12.0677      145.6304    (   136)
 AREA                  44.  WEST RURAL             3618.0000      39.7582      11.0336      121.7409    (    91)

  TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE    VALUE LABEL                    SUM          MEAN      STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                        170730.0000      33.3327     12.8089     164.0674   (  5122)

MOTHERED                     -97.                             81369.0000      32.2126     12.4766     155.6661   (  2526)
   AREA                       11.   NE LARGE                  26439.0000      31.4002     12.7388     162.2760   (   842)
   AREA                       12.   NE MEDIUM                  5605.0000      33.5629     12.6083     158.9704   (   167)
   AREA                       13.   NE SMALL                    934.0000      30.1290      9.6704      93.5161   (    31)
   AREA                       21.   NCENT LARGE                9341.0000      31.5574     11.4928     132.0848   (   296)
   AREA                       22.   NCENT MEDIUM              13649.0000      39.4480     12.5236     156.8393   (   346)
   AREA                       24.   NCENT RURAL                 874.0000      33.6154     11.8695     140.8862   (    26)
   AREA                       31.   SOUTH LARGE                8620.0000      26.9375      9.0652      82.1779   (   320)
   AREA                       32.   SOUTH MEDIUM               4405.0000      28.9803      8.9305      79.7546   (   152)
   AREA                       33.   SOUTH SMALL                1410.0000      35.2500     13.0870     171.2692   (    40)
   AREA                       34.   SOUTH RURAL                 420.0000      23.3333     15.5828     242.8235   (    18)
   AREA                       41.   WEST LARGE                 2503.0000      34.7639     12.9826     168.5491   (    72)
   AREA                       42.   WEST MEDIUM                4478.0000      34.1832     14.0120     196.3354   (   131)
   AREA                       43.   WEST SMALL                 2691.0000      31.6588     11.7843     138.8703   (    85)

MOTHERED                       1.   HIGH SCHOOL INCOMPLE      38997.0000      31.1478     11.8705     140.9094   (  1252)
   AREA                       11.   NE LARGE                   3683.0000      30.4380     14.0783     198.1982   (   121)
   AREA                       12.   NE MEDIUM                  5715.0000      34.8476     11.8594     140.6453   (   164)
   AREA                       13.   NE SMALL                   2459.0000      29.2738     11.3141     128.0085   (    84)
   AREA                       21.   NCENT LARGE                7172.0000      32.8991     11.1611     124.5704   (   218)
   AREA                       22.   NCENT MEDIUM               4152.0000      34.3140     12.2079     149.0339   (   121)
   AREA                       24.   NCENT RURAL                2777.0000      32.6706     10.3801     107.7473   (    85)
   AREA                       31.   SOUTH LARGE                3832.0000      28.3852     10.6055     112.4774   (   135)
   AREA                       33.   SOUTH SMALL                1580.0000      25.9016     11.8922     141.4235   (    61)
   AREA                       34.   SOUTH RURAL                 930.0000      22.6829      9.6214      92.5720   (    41)
   AREA                       41.   WEST LARGE                  419.0000      29.9286     12.5481     157.4560   (    14)
   AREA                       42.   WEST MEDIUM                3412.0000      32.1887     11.1885     125.1831   (   106)
   AREA                       43.   WEST SMALL                 2866.0000      28.0980     10.4905     110.0497   (   102)

MOTHERED                       2.   HIGH SCHOOL COMPLETE      50364.0000      37.4732     13.3309     177.7119   (  1344)
   AREA                       11.   NE LARGE                   3453.0000      34.5300     11.7210     137.3829   (   100)
   AREA                       12.   NE MEDIUM                  5247.0000      40.9922     13.5103     182.5275   (   128)
   AREA                       13.   NE SMALL                   5968.0000      38.0127     13.5835     184.5127   (   157)
   AREA                       21.   NCENT LARGE                7268.0000      38.0524     13.1808     173.7341   (   191)
   AREA                       22.   NCENT MEDIUM               7192.0000      39.9556     13.2656     175.9757   (   180)
   AREA                       24.   NCENT RURAL                5553.0000      41.7519     12.4787     155.7183   (   133)
   AREA                       31.   SOUTH LARGE                3141.0000      30.4951     10.2860     105.8014   (   103)
   AREA                       33.   SOUTH SMALL                3291.0000      36.5667     14.0305     196.8551   (    90)
   AREA                       34.   SOUTH RURAL                 686.0000      27.4400     12.6888     161.0067   (    25)
   AREA                       41.   WEST LARGE                 1416.0000      38.2703     15.9872     255.5916   (    37)
   AREA                       42.   WEST MEDIUM                4878.0000      36.4030     13.6399     186.0469   (   134)
   AREA                       43.   WEST SMALL                 2271.0000      34.4091     10.6756     113.9685   (    66)
```

A-4-112 (cont.)

```
REDO APPENDIX TABLES                                                        08/07/76      PAGE  174
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL                    SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                      123551.0000      26.5473      4.4723       20.0011   (  4654)

MOTHERED                 -97.                               59316.0000      26.2344      4.3825       19.2061   (  2261)
   AREA                   11.    NE LARGE                   17800.0000      25.9854      4.5675       20.8624   (   685)
   AREA                   12.    NE MEDIUM                   4032.0000      26.3529      4.6841       21.9444   (   153)
   AREA                   13.    NE SMALL                     746.0000      25.7241      3.0343        9.2069   (    29)
   AREA                   21.    NCENT LARGE                 7295.0000      26.0536      3.9749       15.8000   (   280)
   AREA                   22.    NCENT MEDIUM                9344.0000      28.0601      4.7093       22.1771   (   333)
   AREA                   24.    NCENT RURAL                  654.0000      26.1600      3.5435       12.5567   (    25)
   AREA                   31.    SOUTH LARGE                 6970.0000      24.2857      2.8139        7.9181   (   287)
   AREA                   32.    SOUTH MEDIUM                3828.0000      25.3510      3.3114       10.9626   (   151)
   AREA                   33.    SOUTH SMALL                 1069.0000      27.4103      4.0828       16.6694   (    39)
   AREA                   34.    SOUTH RURAL                  229.0000      25.4444      6.0023       36.0278   (     9)
   AREA                   41.    WEST LARGE                  1871.0000      27.1159      4.6099       21.2511   (    69)
   AREA                   42.    WEST MEDIUM                 3374.0000      27.4309      5.3348       28.4493   (   123)
   AREA                   43.    WEST SMALL                  2104.0000      26.9744      3.6252       13.1422   (    78)

MOTHERED                  1.     HIGH SCHOOL INCOMPLE       28893.0000      25.9596      4.0152       16.1216   (  1113)
   AREA                   11.    NE LARGE                    2354.0000      26.1556      4.7521       22.5823   (    90)
   AREA                   12.    NE MEDIUM                   3966.0000      26.2649      4.1645       17.3427   (   151)
   AREA                   13.    NE SMALL                    1942.0000      26.2432      3.2638       10.6524   (    74)
   AREA                   21.    NCENT LARGE                 5414.0000      26.4098      4.1062       16.8607   (   205)
   AREA                   22.    NCENT MEDIUM                2998.0000      26.7679      5.0795       25.8015   (   112)
   AREA                   24.    NCENT RURAL                 2101.0000      25.9383      3.5614       12.6836   (    81)
   AREA                   31.    SOUTH LARGE                 3047.0000      24.3760      3.3304       11.0914   (   125)
   AREA                   33.    SOUTH SMALL                 1316.0000      24.8302      3.0239        9.1437   (    53)
   AREA                   34.    SOUTH RURAL                  480.0000      25.2632      4.5563       20.7602   (    19)
   AREA                   41.    WEST LARGE                   343.0000      24.5000      3.9759       15.8077   (    14)
   AREA                   42.    WEST MEDIUM                 2576.0000      26.5567      3.3880       11.4785   (    97)
   AREA                   43.    WEST SMALL                  2356.0000      25.6087      3.4513       11.9111   (    92)

MOTHERED                  2.     HIGH SCHOOL COMPLETE       35342.0000      27.6109      4.8171       23.2043   (  1280)
   AREA                   11.    NE LARGE                    2338.0000      26.8736      4.1619       17.3218   (    87)
   AREA                   12.    NE MEDIUM                   3525.0000      28.4274      5.0619       25.6126   (   124)
   AREA                   13.    NE SMALL                    4286.0000      28.1974      4.9031       24.0403   (   152)
   AREA                   21.    NCENT LARGE                 5155.0000      28.0183      4.8355       23.3822   (   184)
   AREA                   22.    NCENT MEDIUM                [illegible]951.0000      27.7200      4.7387       22.4556   (   175)
   AREA                   24.    NCENT RURAL                  761.0000      28.4924      4.8544       23.5648   (   132)
   AREA                   31.    SOUTH LARGE                 2347.0000      24.7053      3.8061       14.4867   (    95)
   AREA                   33.    SOUTH SMALL                 2400.0000      27.5862      4.4423       19.7338   (    87)
   AREA                   34.    SOUTH RURAL                  404.0000      26.9333      3.5550       12.6381   (    15)
   AREA                   41.    WEST LARGE                  1035.0000      27.9730      5.8854       34.6381   (    37)
   AREA                   42.    WEST MEDIUM                 3497.0000      27.7540      5.3646       28.7790   (   126)
   AREA                   43.    WEST SMALL                  1743.0000      26.4091      3.5647       12.7070   (    66)
```

REDO APPENDIX TABLES
ANYONE WITH DATA

TOTAL CASES = 12996
MISSING CASES = 8342 OR 64.2 PCT.

```
- - - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD      STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   MOTHERED    MOTHER EDUCATION
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE   VALUE LABEL                  SUM          MEAN      STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                                  119208.0000     25.6141     4.5696      20.8813   (  4654)

MOTHERED                -97.                            57466.0000     25.4162     4.5558      20.7555   (  2261)
   AREA                  11.   NE LARGE                 17765.0000     25.9343     4.5054      20.2983   (   685)
   AREA                  12.   NE MEDIUM                 3943.0000     25.7712     4.2651      18.1907   (   153)
   AREA                  13.   NE SMALL                   711.0000     24.5172     3.7761      14.2586   (    29)
   AREA                  21.   NCENT LARGE               7006.0000     25.0214     4.4520      19.8203   (   280)
   AREA                  22.   NCENT MEDIUM              8933.0000     26.8258     4.6795      21.8973   (   333)
   AREA                  24.   NCENT RURAL                627.0000     25.0800     4.5085      20.3267   (    25)
   AREA                  31.   SOUTH LARGE               6707.0000     23.3693     3.9969      15.9750   (   287)
   AREA                  32.   SOUTH MEDIUM              3587.0000     23.7550     4.2442      18.0129   (   151)
   AREA                  33.   SOUTH SMALL               1004.0000     25.7436     3.5297      12.4588   (    39)
   AREA                  34.   SOUTH RURAL                207.0000     23.0000     5.1962      27.0000   (     9)
   AREA                  41.   WEST LARGE                1830.0000     26.5217     4.3474      18.9003   (    69)
   AREA                  42.   WEST MEDIUM               3201.0000     26.0244     4.9131      24.1387   (   123)
   AREA                  43.   WEST SMALL                1945.0000     24.9359     4.5906      21.0738   (    78)

MOTHERED                  1.   HIGH SCHOOL INCOMPLE     27572.0000     24.7727     4.4286      19.6129   (  1113)
   AREA                  11.   NE LARGE                  2310.0000     25.6667     4.2241      17.8427   (    90)
   AREA                  12.   NE MEDIUM                 3953.0000     26.1788     4.3529      18.9478   (   151)
   AREA                  13.   NE SMALL                  1756.0000     23.7297     4.4361      19.6794   (    74)
   AREA                  21.   NCENT LARGE               5192.0000     25.3268     4.2606      18.1525   (   205)
   AREA                  22.   NCENT MEDIUM              2873.0000     25.6518     4.3614      19.0218   (   112)
   AREA                  24.   NCENT RURAL               1995.0000     24.6296     3.9951      15.9611   (    81)
   AREA                  31.   SOUTH LARGE               3012.0000     24.0960     4.3467      18.8939   (   125)
   AREA                  33.   SOUTH SMALL               1202.0000     22.6792     5.0603      25.6067   (    53)
   AREA                  34.   SOUTH RURAL                433.0000     22.7895     4.7443      22.5088   (    19)
   AREA                  41.   WEST LARGE                 334.0000     23.8571     4.1483      17.2088   (    14)
   AREA                  42.   WEST MEDIUM               2402.0000     24.7629     3.8938      15.1619   (    97)
   AREA                  43.   WEST SMALL                2110.0000     22.9348     4.4520      19.8199   (    92)

MOTHERED                  2.   HIGH SCHOOL COMPLETE     34170.0000     26.6953     4.5149      20.3840   (  1280)
   AREA                  11.   NE LARGE                  2298.0000     26.4138     4.1218      16.9996   (    87)
   AREA                  12.   NE MEDIUM                 3475.0000     28.0242     4.1740      17.4222   (   124)
   AREA                  13.   NE SMALL                  4092.0000     26.9211     4.9481      24.4838   (   152)
   AREA                  21.   NCENT LARGE               4939.0000     26.8424     4.1068      16.8657   (   184)
   AREA                  22.   NCENT MEDIUM              4733.0000     27.0457     4.4358      19.6761   (   175)
   AREA                  24.   NCENT RURAL               3599.0000     27.2652     4.5363      20.5780   (   132)
   AREA                  31.   SOUTH LARGE               2358.0000     24.8211     4.1127      16.9144   (    95)
   AREA                  33.   SOUTH SMALL               2262.0000     26.0000     4.6855      21.9535   (    87)
   AREA                  34.   SOUTH RURAL                406.0000     27.0667     2.4919       6.2095   (    15)
   AREA                  41.   WEST LARGE                 980.0000     26.4865     5.7669      33.2568   (    37)
   AREA                  42.   WEST MEDIUM               3322.0000     26.3651     4.7541      22.6017   (   126)
   AREA                  43.   WEST SMALL                1706.0000     25.8485     4.3580      18.9921   (    66)
```

```
  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

386

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMMA      STAND SC SPR KIND MAT NUMBERS
   BROKEN DOWN BY    MOTHERED    MOTHER EDUCATION
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE                CODE    VALUE LABEL                        SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                           105590.0000       22.6880        6.5407        42.7804   (  4654)

MOTHERED                    -97.                                 49962.0000       22.0973        6.2092        38.5542   (  2261)
   AREA                      11.    NE LARGE                     14986.0000       21.8774        6.3037        39.7366   (   685)
   AREA                      12.    NE MEDIUM                     3408.0000       22.2745        5.8470        34.1873   (   153)
   AREA                      13.    NE SMALL                       606.0000       20.8966        5.2054        27.0961   (    29)
   AREA                      21.    NCENT LARGE                   6095.0000       21.7679        5.3934        29.0893   (   280)
   AREA                      22.    NCENT MEDIUM                  8552.0000       25.6817        6.5160        42.4586   (   333)
   AREA                      24.    NCENT RURAL                    592.0000       23.6800        4.8280        23.3100   (    25)
   AREA                      31.    SOUTH LARGE                   5450.0000       18.9895        5.2726        27.8006   (   287)
   AREA                      32.    SOUTH MEDIUM                  3026.0000       20.0397        4.6374        21.5051   (   151)
   AREA                      33.    SOUTH SMALL                    895.0000       22.9487        6.6805        44.6299   (    39)
   AREA                      34.    SOUTH RURAL                    209.0000       23.2222        6.2405        38.9444   (     9)
   AREA                      41.    WEST LARGE                    1522.0000       22.0580        6.2377        38.9084   (    69)
   AREA                      42.    WEST MEDIUM                   2860.0000       23.2520        6.8144        46.4360   (   123)
   AREA                      43.    WEST SMALL                    1761.0000       22.5769        4.6249        21.3901   (    78)

MOTHERED                      1.    HIGH SCHOOL INCOMPLE         24282.0000       21.8167        6.2670        39.2757   (  1113)
   AREA                      11.    NE LARGE                      2196.0000       24.4000        8.4332        71.1191   (    90)
   AREA                      12.    NE MEDIUM                     3290.0000       21.7881        5.9145        34.9815   (   151)
   AREA                      13.    NE SMALL                      1542.0000       20.8378        5.1896        26.9322   (    74)
   AREA                      21.    NCENT LARGE                   4483.0000       21.8683        5.6140        31.5169   (   205)
   AREA                      22.    NCENT MEDIUM                  2525.0000       22.5446        6.4836        42.0360   (   112)
   AREA                      24.    NCENT RURAL                   1929.0000       23.8148        4.7909        22.9528   (    81)
   AREA                      31.    SOUTH LARGE                   2428.0000       19.4240        5.8534        34.2623   (   125)
   AREA                      33.    SOUTH SMALL                   1006.0000       18.9811        5.6789        32.2496   (    53)
   AREA                      34.    SOUTH RURAL                    381.0000       20.0526        4.1429        17.1637   (    19)
   AREA                      41.    WEST LARGE                     284.0000       20.2857        9.0079        81.1429   (    14)
   AREA                      42.    WEST MEDIUM                   2242.0000       23.1134        7.5758        57.3933   (    97)
   AREA                      43.    WEST SMALL                    1976.0000       21.4783        4.6160        21.3072   (    92)

MOTHERED                      2.    HIGH SCHOOL COMPLETE         31346.0000       24.4891        6.9884        48.8380   (  1280)
   AREA                      11.    NE LARGE                      1998.0000       22.9655        6.7556        45.6383   (    87)
   AREA                      12.    NE MEDIUM                     3139.0000       25.3145        7.7190        59.5669   (   124)
   AREA                      13.    NE SMALL                      3657.0000       24.0592        6.8225        46.5461   (   152)
   AREA                      21.    NCENT LARGE                   4469.0000       24.2880        6.9478        48.2718   (   184)
   AREA                      22.    NCENT MEDIUM                  4623.0000       26.4171        7.2209        52.1411   (   175)
   AREA                      24.    NCENT RURAL                   3656.0000       27.6970        5.7717        33.3121   (   132)
   AREA                      31.    SOUTH LARGE                   1899.0000       19.9895        5.4314        29.4999   (    95)
   AREA                      33.    SOUTH SMALL                   2088.0000       24.0000        6.3429        40.2326   (    87)
   AREA                      34.    SOUTH RURAL                    349.0000       23.2667        3.7315        13.9238   (    15)
   AREA                      41.    WEST LARGE                     888.0000       24.0000        7.5645        57.2222   (    37)
   AREA                      42.    WEST MEDIUM                   3068.0000       24.3492        7.6371        58.3251   (   126)
   AREA                      43.    WEST SMALL                    1512.0000       22.9091        5.0558        25.5608   (    66)
```

A-4-115 (cont.)

```
REDO APPENDIX TABLES                                                        08/07/76     PAGE  240
ANYONE WITH DATA

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

A-4-116

```
- - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1HR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                  SUM         MEAN      STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                     155837.0000      37.1837     10.4335      108.8598   (  4191)

MOTHERED                   -97.                            97877.0000      36.4804     10.4988      110.2251   (  2683)
   AREA                     11.   NE LARGE                 47806.0000      35.5699     10.0853      101.7136   (  1344)
   AREA                     12.   NE MEDIUM                 6109.0000      37.2500      9.1808       84.2868   (   164)
   AREA                     13.   NE SMALL                  1873.0000      39.0208     11.8294      139.7230   (    48)
   AREA                     21.   NCENT LARGE               4880.0000      38.4252     11.7044      136.9924   (   127)
   AREA                     22.   NCENT MEDIUM              9250.0000      42.0455     11.5604      133.6418   (   220)
   AREA                     24.   NCENT RURAL               2890.0000      40.7042      9.9591       99.1827   (    71)
   AREA                     31.   SOUTH LARGE               5022.0000      29.8929      6.8316       46.6711   (   168)
   AREA                     33.   SOUTH SMALL               4139.0000      45.9889     11.2215      125.9212   (    90)
   AREA                     34.   SOUTH RURAL               2077.0000      36.4386      9.4643       89.5721   (    57)
   AREA                     41.   WEST LARGE                8514.0000      35.7731      9.7478       95.0200   (   238)
   AREA                     42.   WEST MEDIUM               1970.0000      37.8846     10.4481      109.1629   (    52)
   AREA                     43.   WEST SMALL                3347.0000      32.1827      7.3004       53.2964   (   104)

MOTHERED                     1.   HIGH SCHOOL INCOMPLE     26211.0000      35.2773      8.5655       73.3678   (   743)
   AREA                     11.   NE LARGE                  3378.0000      36.3226      8.5442       73.0035   (    93)
   AREA                     12.   NE MEDIUM                 3199.0000      35.1538      8.9789       80.6205   (    91)
   AREA                     13.   NE SMALL                  1406.0000      36.0513      6.3368       40.1552   (    39)
   AREA                     21.   NCENT LARGE               2595.0000      32.8481      7.2308       52.2843   (    79)
   AREA                     22.   NCENT MEDIUM              3479.0000      37.8152      8.7076       75.8226   (    92)
   AREA                     24.   NCENT RURAL               2219.0000      41.0926     11.7542      138.1611   (    54)
   AREA                     31.   SOUTH LARGE               1572.0000      30.8235      6.3677       40.5492   (    51)
   AREA                     33.   SOUTH SMALL               1069.0000      36.8621      9.4367       89.0517   (    29)
   AREA                     34.   SOUTH RURAL               1491.0000      33.8864      5.7596       33.1728   (    44)
   AREA                     41.   WEST LARGE                2480.0000      34.9296      8.0841       65.3521   (    71)
   AREA                     42.   WEST MEDIUM               1397.0000      34.9250      8.6243       74.3788   (    40)
   AREA                     43.   WEST SMALL                1926.0000      32.1000      6.4010       40.9729   (    60)

MOTHERED                     2.   HIGH SCHOOL COMPLETE     31749.0000      41.5020     10.7179      114.8734   (   765)
   AREA                     11.   NE LARGE                  2745.0000      39.2143     10.0548      101.0983   (    70)
   AREA                     12.   NE MEDIUM                 2962.0000      41.1389      9.7321       94.7128   (    72)
   AREA                     13.   NE SMALL                  3281.0000      41.5316      9.4188       88.7137   (    79)
   AREA                     21.   NCENT LARGE               3268.0000      44.1622     10.6681      113.8090   (    74)
   AREA                     22.   NCENT MEDIUM              4367.0000      43.2376      9.9168       98.3430   (   101)
   AREA                     24.   NCENT RURAL               5371.0000      47.9554      9.6743       93.5926   (   112)
   AREA                     31.   SOUTH LARGE               1032.0000      34.4000      8.2779       68.5241   (    30)
   AREA                     33.   SOUTH SMALL               1613.0000      46.0857     13.1157      172.0218   (    35)
   AREA                     34.   SOUTH RURAL                874.0000      38.0000      5.3428       28.5455   (    23)
   AREA                     41.   WEST LARGE                2914.0000      36.8861     10.4856      109.9484   (    79)
   AREA                     42.   WEST MEDIUM               1735.0000      40.3488     11.3408      128.6135   (    43)
   AREA                     43.   WEST SMALL                1587.0000      33.7660      8.3646       69.9658   (    47)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

A-4-117

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                       153729.0000        36.6807        11.7979       139.1911    ( 4191)

MOTHERED                   -97.                              97662.0000        36.4003        12.0907       146.1850    ( 2683)
   AREA                     11.  NE LARGE                    49804.0000        37.0565        12.6868       160.9544    ( 1344)
   AREA                     12.  NE MEDIUM                    5888.0000        35.9024        10.7858       116.3340    (  164)
   AREA                     13.  NE SMALL                     2040.0000        42.5000        10.3389       106.8936    (   48)
   AREA                     21.  NCENT LARGE                  4518.0000        35.5748        13.0156       169.4051    (  127)
   AREA                     22.  NCENT MEDIUM                 8695.0000        39.5227        10.7314       115.1639    (  220)
   AREA                     24.  NCENT RURAL                  3006.0000        42.3380        12.1960       148.7412    (   71)
   AREA                     31.  SOUTH LARGE                  4672.0000        27.8095         9.1061        82.9216    (  168)
   AREA                     33.  SOUTH SMALL                  3747.0000        41.6333        11.3716       129.3135    (   90)
   AREA                     34.  SOUTH RURAL                  1884.0000        33.0526         9.3033        86.5508    (   57)
   AREA                     41.  WEST LARGE                   8085.0000        33.9706        10.2547       105.1595    (  238)
   AREA                     42.  WEST MEDIUM                  1952.0000        37.5385        11.5325       132.9985    (   52)
   AREA                     43.  WEST SMALL                   3371.0000        32.4135         8.3986        70.5361    (  104)

MOTHERED                     1.  HIGH SCHOOL INCOMPLE        25177.0000        33.8856         9.9666        99.3333    (  743)
   AREA                     11.  NE LARGE                     3363.0000        36.1613         9.8437        96.8976    (   93)
   AREA                     12.  NE MEDIUM                    2822.0000        31.0110         8.1942        67.1443    (   91)
   AREA                     13.  NE SMALL                     1361.0000        34.8974         7.6633        58.7260    (   39)
   AREA                     21.  NCENT LARGE                  2397.0000        30.3418         9.3984        88.3304    (   79)
   AREA                     22.  NCENT MEDIUM                 3434.0000        37.3261         8.8020        77.4749    (   92)
   AREA                     24.  NCENT RURAL                  2261.0000        41.8704        13.2138       174.6155    (   54)
   AREA                     31.  SOUTH LARGE                  1419.0000        27.8235         8.4515        71.4282    (   51)
   AREA                     33.  SOUTH SMALL                  1021.0000        35.2069         7.7891        60.6700    (   29)
   AREA                     34.  SOUTH RURAL                  1292.0000        29.3636         8.2521        68.0973    (   44)
   AREA                     41.  WEST LARGE                   2415.0000        34.0141         9.4317        88.9569    (   71)
   AREA                     42.  WEST MEDIUM                  1447.0000        36.1750        11.3021       127.7378    (   40)
   AREA                     43.  WEST SMALL                   1945.0000        32.4167         8.1849        66.9929    (   60)

MOTHERED                     2.  HIGH SCHOOL COMPLETE        30890.0000        40.3791        11.4954       132.1441    (  765)
   AREA                     11.  NE LARGE                     2751.0000        39.3000         9.8766        97.5464    (   70)
   AREA                     12.  NE MEDIUM                    2857.0000        39.6806        12.1143       146.7557    (   72)
   AREA                     13.  NE SMALL                     3156.0000        39.9494        11.0950       123.1000    (   79)
   AREA                     21.  NCENT LARGE                  3083.0000        41.6622        12.0936       146.2542    (   74)
   AREA                     22.  NCENT MEDIUM                 4157.0000        41.1584         9.3549        87.5147    (  101)
   AREA                     24.  NCENT RURAL                  5587.0000        49.8839        10.7021       114.5360    (  112)
   AREA                     31.  SOUTH LARGE                   916.0000        30.5333         7.6327        58.2575    (   30)
   AREA                     33.  SOUTH SMALL                  1476.0000        42.1714        10.8180       117.0286    (   35)
   AREA                     34.  SOUTH RURAL                   764.0000        33.2174         6.4099        41.0870    (   23)
   AREA                     41.  WEST LARGE                   2816.0000        35.6456        10.1198       102.4112    (   79)
   AREA                     42.  WEST MEDIUM                  1755.0000        40.8140        11.3835       129.5836    (   43)
   AREA                     43.  WEST SMALL                   1572.0000        33.4468         8.5867        73.7308    (   47)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

A-4-118

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR       STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   MOTHERED    MOTHER EDUCATION
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                      SUM          MEAN       STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                         145960.0000      48.7346      14.9501      223.5050     (  2995)

MOTHERED                  -97.                                 65149.0000      47.9742      14.1116      199.1364     (  1358)
   AREA                    11.   NE LARGE                      35026.0000      46.2084      14.5576      211.9248     (   758)
   AREA                    12.   NE MEDIUM                      1735.0000      55.9677      13.6979      187.6323     (    31)
   AREA                    13.   NE SMALL                       3705.0000      54.4853      12.7893      163.5669     (    68)
   AREA                    21.   NCENT LARGE                    4113.0000      46.2135      10.6424      113.2607     (    89)
   AREA                    22.   NCENT MEDIUM                   4496.0000      54.1687      12.8213      164.3858     (    83)
   AREA                    24.   NCENT RURAL                    3339.0000      49.8358       9.9310       98.6242     (    67)
   AREA                    31.   SOUTH LARGE                    3946.0000      39.8586      10.3894      107.9390     (    99)
   AREA                    33.   SOUTH SMALL                    4285.0000      59.5139      13.2037      174.3378     (    72)
   AREA                    34.   SOUTH RURAL                      41.0000      41.0000            0             0     (     1)
   AREA                    41.   WEST LARGE                      242.0000      48.4000       4.1593       17.3000     (     5)
   AREA                    42.   WEST MEDIUM                    2198.0000      54.9500      10.8509      117.7410     (    40)
   AREA                    43.   WEST SMALL                     2023.0000      44.9556      11.8762      141.0434     (    45)

MOTHERED                    1.   HIGH SCHOOL INCOMPLE          34300.0000      44.8953      15.7438      247.8658     (   764)
   AREA                    11.   NE LARGE                       7109.0000      45.5705      15.5924      243.1249     (   156)
   AREA                    12.   NE MEDIUM                      4741.0000      46.0291      14.9315      222.9501     (   103)
   AREA                    13.   NE SMALL                       1967.0000      42.7609      16.2798      265.0304     (    46)
   AREA                    21.   NCENT LARGE                    2923.0000      41.7571      17.7196      313.9836     (    70)
   AREA                    22.   NCENT MEDIUM                   4293.0000      49.3448      12.9927      168.8099     (    87)
   AREA                    24.   NCENT RURAL                    2854.0000      52.8519      10.5766      111.8644     (    54)
   AREA                    31.   SOUTH LARGE                    2430.0000      35.7353      17.5989      309.7199     (    68)
   AREA                    33.   SOUTH SMALL                    1797.0000      48.5676      13.6128      185.3078     (    37)
   AREA                    34.   SOUTH RURAL                     916.0000      39.8261      15.0201      225.6047     (    23)
   AREA                    41.   WEST LARGE                      259.0000      43.1667      20.4882      419.7667     (     6)
   AREA                    42.   WEST MEDIUM                    2310.0000      46.2000      16.9814      288.3673     (    50)
   AREA                    43.   WEST SMALL                     2701.0000      42.2031      14.0511      197.4363     (    64)

MOTHERED                    2.   HIGH SCHOOL COMPLETE          46511.0000      53.2772      14.3579      206.1501     (   873)
   AREA                    11.   NE LARGE                       4786.0000      49.3402      11.5026      132.3101     (    97)
   AREA                    12.   NE MEDIUM                      4613.0000      54.2706      10.9896      120.7711     (    85)
   AREA                    13.   NE SMALL                       6461.0000      55.6983      12.7376      162.2473     (   116)
   AREA                    21.   NCENT LARGE                    4812.0000      54.6818      16.2187      263.0470     (    88)
   AREA                    22.   NCENT MEDIUM                   6402.0000      54.2542      11.4550      131.2169     (   118)
   AREA                    24.   NCENT RURAL                    6598.0000      58.9107      11.1812      125.0190     (   112)
   AREA                    31.   SOUTH LARGE                    1402.0000      34.1951      19.6115      384.6110     (    41)
   AREA                    33.   SOUTH SMALL                    4270.0000      58.4932      15.9183      253.3923     (    73)
   AREA                    34.   SOUTH RURAL                     712.0000      50.8571       3.5703       12.7473     (    14)
   AREA                    41.   WEST LARGE                     1353.0000      56.3750      12.1898      148.5924     (    24)
   AREA                    42.   WEST MEDIUM                    3236.0000      50.5625      16.4759      271.4563     (    64)
   AREA                    43.   WEST SMALL                     1866.0000      45.5122      11.7795      138.7561     (    41)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
   BROKEN DOWN BY    MOTHERED   MOTHER EDUCATION
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                     SUM          MEAN       STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                   153133.0000       51.1295       11.2374      126.2791    (  2995)

MOTHERED                 -97.                            67725.0000       49.8711       11.0057      121.1249    (  1358)
   AREA                   11.   NE LARGE                 36751.0000       48.4842       10.4511      109.2250    (   758)
   AREA                   12.   NE MEDIUM                 1540.0000       49.6774       13.0853      171.2258    (    31)
   AREA                   13.   NE SMALL                  3810.0000       56.0294       11.9188      142.0588    (    68)
   AREA                   21.   NCENT LARGE               4413.0000       49.5843       10.6950      114.3820    (    89)
   AREA                   22.   NCENT MEDIUM              4497.0000       54.1807       10.1575      103.1743    (    83)
   AREA                   24.   NCENT RURAL               3579.0000       53.4179       10.8393      117.4894    (    67)
   AREA                   31.   SOUTH LARGE               4184.0000       42.2626        8.4752       71.8283    (    99)
   AREA                   33.   SOUTH SMALL               4282.0000       59.4722        9.9590       99.1823    (    72)
   AREA                   34.   SOUTH RURAL                 36.0000       36.0000             0             0    (     1)
   AREA                   41.   WEST LARGE                 210.0000       42.0000        5.7879       33.5000    (     5)
   AREA                   42.   WEST MEDIUM               2230.0000       55.7500        8.1453       66.3462    (    40)
   AREA                   43.   WEST SMALL                2193.0000       48.7333        8.5344       72.8364    (    45)

MOTHERED                   1.   HIGH SCHOOL INCOMPLE     37389.0000       48.9385       10.3162      106.4248    (   764)
   AREA                   11.   NE LARGE                  7756.0000       49.7179       10.3349      106.8103    (   156)
   AREA                   12.   NE MEDIUM                 4969.0000       48.2427       10.4389      108.9699    (   103)
   AREA                   13.   NE SMALL                  2126.0000       46.2174       10.1717      103.4628    (    46)
   AREA                   21.   NCENT LARGE               3255.0000       46.5000        9.2199       85.0072    (    70)
   AREA                   22.   NCENT MEDIUM              4563.0000       52.4483       10.6036      112.4362    (    87)
   AREA                   24.   NCENT RURAL               2927.0000       54.2037       10.5067      110.3917    (    54)
   AREA                   31.   SOUTH LARGE               2907.0000       42.7500        8.0639       65.0261    (    68)
   AREA                   33.   SOUTH SMALL               1888.0000       51.0270        9.4619       89.5270    (    37)
   AREA                   34.   SOUTH RURAL                983.0000       42.7391        9.0615       82.1107    (    23)
   AREA                   41.   WEST LARGE                 302.0000       50.3333       14.7332      217.0667    (     6)
   AREA                   42.   WEST MEDIUM               2597.0000       51.9400        9.3140       86.7514    (    50)
   AREA                   43.   WEST SMALL                3116.0000       48.6875        9.0692       82.2500    (    64)

MOTHERED                   2.   HIGH SCHOOL COMPLETE     48019.0000       55.0046       11.4130      130.2569    (   873)
   AREA                   11.   NE LARGE                  4933.0000       50.8557       11.0633      122.3956    (    97)
   AREA                   12.   NE MEDIUM                 4648.0000       54.6824       11.9615      143.0765    (    85)
   AREA                   13.   NE SMALL                  6537.0000       56.3534       11.4704      131.5696    (   116)
   AREA                   21.   NCENT LARGE               4840.0000       55.0000       12.7089      161.5172    (    88)
   AREA                   22.   NCENT MEDIUM              6489.0000       54.9915       10.0567      101.1367    (   118)
   AREA                   24.   NCENT RURAL               6825.0000       60.9375       10.4177      108.5276    (   112)
   AREA                   31.   SOUTH LARGE               1807.0000       44.0732        8.4894       72.0695    (    41)
   AREA                   33.   SOUTH SMALL               4389.0000       60.1233        9.5582       91.3596    (    73)
   AREA                   34.   SOUTH RURAL                706.0000       50.4286        7.8614       61.8022    (    14)
   AREA                   41.   WEST LARGE                1264.0000       52.6667       10.9452      119.7971    (    24)
   AREA                   42.   WEST MEDIUM               3495.0000       54.6094       11.4221      130.4640    (    64)
   AREA                   43.   WEST SMALL                2086.0000       50.8780        6.5924       43.4598    (    41)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

A-4-120

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE    S53MR
    BROKEN DOWN BY    MOTHERED    MOTHER EDUCATION
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                     226369.0000       57.4395       13.2861      176.5195    (  3941)

MOTHERED                    -97.                          108418.0000       56.0300       13.1564      173.0911    (  1935)
   AREA                      11.   NE LARGE                36868.0000       54.1380       11.4987      132.2192    (   681)
   AREA                      12.   NE MEDIUM                9404.0000       57.6933       10.7774      116.1522    (   163)
   AREA                      13.   NE SMALL                  500.0000       62.5000       10.6771      114.0000    (     8)
   AREA                      21.   NCENT LARGE              5070.0000       55.7143       13.0829      171.1619    (    91)
   AREA                      22.   NCENT MEDIUM             8472.0000       62.2941       15.7250      247.2758    (   136)
   AREA                      24.   NCENT RURAL              5531.0000       60.1196       13.4955      182.1294    (    92)
   AREA                      31.   SOUTH LARGE             13219.0000       47.2107       11.0617      122.3605    (   280)
   AREA                      33.   SOUTH SMALL              6404.0000       66.7083       12.3330      152.1035    (    96)
   AREA                      34.   SOUTH RURAL              1482.0000       54.8889       10.0473      100.9487    (    27)
   AREA                      41.   WEST LARGE               4614.0000       59.1538       11.1973      125.3786    (    78)
   AREA                      42.   WEST MEDIUM              7219.0000       60.1583       13.6191      185.4789    (   120)
   AREA                      43.   WEST SMALL               3664.0000       52.3429       11.7731      138.6054    (    70)
   AREA                      44.   WEST RURAL               5971.0000       64.2043       12.5677      157.9469    (    93)

MOTHERED                      1.   HIGH SCHOOL INCOMPLE    50299.0000       54.0269       11.7643      138.3982    (   931)
   AREA                      11.   NE LARGE                 4994.0000       54.8791       10.9847      120.6630    (    91)
   AREA                      12.   NE MEDIUM                4921.0000       55.2921       12.2756      150.6864    (    89)
   AREA                      13.   NE SMALL                 2268.0000       52.7442       11.9425      142.6235    (    43)
   AREA                      21.   NCENT LARGE              6090.0000       50.3306       10.8899      118.5898    (   121)
   AREA                      22.   NCENT MEDIUM             6495.0000       57.4779       10.3958      108.0732    (   113)
   AREA                      24.   NCENT RURAL              4689.0000       63.3649       12.2916      151.0942    (    74)
   AREA                      31.   SOUTH LARGE              4431.0000       47.1383       11.6781      136.3785    (    94)
   AREA                      33.   SOUTH SMALL              2029.0000       57.9714       10.9289      119.4463    (    35)
   AREA                      34.   SOUTH RURAL              3583.0000       51.1857        9.1319       83.4[illegible]88    (    70)
   AREA                      41.   WEST LARGE               2782.0000       50.5818       10.5494      111.0997    (    55)
   AREA                      42.   WEST MEDIUM              3886.0000       58.0000        9.5299       90.8142    (    67)
   AREA                      43.   WEST SMALL               3881.0000       51.7467       10.9200      119.2458    (    75)
   AREA                      44.   WEST RURAL                250.0000       62.5000        8.7369       76.3333    (     4)

MOTHERED                      2.   HIGH SCHOOL COMPLETE    67652.0000       62.9321       13.1210      172.1602    (  1075)
   AREA                      11.   NE LARGE                 3531.0000       56.9516       11.6513      135.7517    (    62)
   AREA                      12.   NE MEDIUM                5786.0000       63.5824       13.1098      171.8681    (    91)
   AREA                      13.   NE SMALL                 7045.0000       65.2315       13.4335      180.4599    (   108)
   AREA                      21.   NCENT LARGE              5905.0000       61.5104       14.0959      198.6946    (    96)
   AREA                      22.   NCENT MEDIUM             8070.0000       63.0469       11.5662      133.7773    (   128)
   AREA                      24.   NCENT RURAL             12236.0000       69.1299       11.1971      125.3751    (   177)
   AREA                      31.   SOUTH LARGE              3056.0000       49.2903       10.5199      110.6684    (    62)
   AREA                      33.   SOUTH SMALL              4684.0000       66.9143       10.7187      114.8911    (    70)
   AREA                      34.   SOUTH RURAL              2090.0000       56.4865        6.2255       38.7568    (    37)
   AREA                      41.   WEST LARGE               2704.0000       57.5319       12.4967      156.1674    (    47)
   AREA                      42.   WEST MEDIUM              6716.0000       62.7664       13.1059      171.7656    (   107)
```

```
                                                                              PAGE  338

    VARIABLE            CODE    VALUE LABEL                SUM        MEAN       STD DEV      VARIANCE       N
   AREA                   43.  WEST SMALL            2421.0000     55.0227       9.3771       87.9297   (    44)
   AREA                   44.  WEST RURAL            3408.0000     74.0870      10.3362      106.8367   (    46)
  TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAR    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   MOTHERED   MOTHER EDUCATION
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE     VALUE LABEL                  SUM            MEAN          STD DEV        VARIANCE         N

FOR ENTIRE POPULATION                                      249263.0000         63.2487         12.9306        167.2006    (  3941)

MOTHERED                     -97.                          120316.0000         62.1788         12.7747        163.1934    (  1935)
   AREA                      11.   NE LARGE                 40927.0000         60.0984         11.8632        140.7359    (   681)
   AREA                      12.   NE MEDIUM                10397.0000         63.7853         11.8539        140.5153    (   163)
   AREA                      13.   NE SMALL                   556.0000         69.5000         13.7633        189.4286    (     8)
   AREA                      21.   NCENT LARGE               5614.0000         61.6923         11.8319        139.9932    (    91)
   AREA                      22.   NCENT MEDIUM              9332.0000         68.6176         12.4508        155.0231    (   136)
   AREA                      24.   NCENT RURAL               6207.0000         67.4674          9.6777         93.6583    (    92)
   AREA                      31.   SOUTH LARGE              15143.0000         54.0821          9.9474         98.9502    (   280)
   AREA                      33.   SOUTH SMALL               7066.0000         73.6042         11.4225        130.4732    (    96)
   AREA                      34.   SOUTH RURAL               1705.0000         63.1481         12.9398        167.4397    (    27)
   AREA                      41.   WEST LARGE                4978.0000         63.8205         12.8263        164.5128    (    78)
   AREA                      42.   WEST MEDIUM               7710.0000         64.2500         13.7280        188.4580    (   120)
   AREA                      43.   WEST SMALL                4152.0000         59.3143         11.5150        132.5954    (    70)
   AREA                      44.   WEST RURAL                6529.0000         70.2043         12.7455        162.4469    (    93)

MOTHERED                      1.   HIGH SCHOOL INCOMPLE     55920.0000         60.0644         11.8686        140.8625    (   931)
   AREA                      11.   NE LARGE                  5476.0000         60.1758         12.5818        158.3051    (    91)
   AREA                      12.   NE MEDIUM                 5480.0000         61.5730         13.0174        169.4520    (    89)
   AREA                      13.   NE SMALL                  2376.0000         55.2558         13.0659        170.7187    (    43)
   AREA                      21.   NCENT LARGE               6818.0000         56.3471          9.9906         99.8118    (   121)
   AREA                      22.   NCENT MEDIUM              7383.0000         65.3363          9.9800         99.6002    (   113)
   AREA                      24.   NCENT RURAL               5162.0000         69.7568         10.2581        105.2277    (    74)
   AREA                      31.   SOUTH LARGE               5025.0000         53.4574         10.4641        109.4942    (    94)
   AREA                      33.   SOUTH SMALL               2257.0000         64.4857          8.7561         76.6689    (    35)
   AREA                      34.   SOUTH RURAL               4000.0000         57.1429         10.3787        107.7184    (    70)
   AREA                      41.   WEST LARGE                3231.0000         58.7455         10.0687        101.3785    (    55)
   AREA                      42.   WEST MEDIUM               4103.0000         61.2388         12.4768        155.6694    (    67)
   AREA                      43.   WEST SMALL                4328.0000         57.7067         10.6553        113.5364    (    75)
   AREA                      44.   WEST RURAL                 281.0000         70.2500          6.2915         39.5833    (     4)

MOTHERED                      2.   HIGH SCHOOL COMPLETE     73027.0000         67.9321         12.8346        164.7292    (  1075)
   AREA                      11.   NE LARGE                  3888.0000         62.7097         10.7465        115.4881    (    62)
   AREA                      12.   NE MEDIUM                 6509.0000         71.5275         13.2752        176.2298    (    91)
   AREA                      13.   NE SMALL                  7400.0000         68.5185         12.1243        146.9997    (   108)
   AREA                      21.   NCENT LARGE               6250.0000         65.1042         13.0767        170.9996    (    96)
   AREA                      22.   NCENT MEDIUM              8798.0000         68.7344         12.2368        149.7399    (   128)
   AREA                      24.   NCENT RURAL              13137.0000         74.2203         10.2786        105.6500    (   177)
   AREA                      31.   SOUTH LARGE               3432.0000         55.3548          9.2879         86.2655    (    62)
   AREA                      33.   SOUTH SMALL               5177.0000         73.9571         11.6836        136.5054    (    70)
   AREA                      34.   SOUTH RURAL               2340.0000         63.2432          8.2543         68.1336    (    37)
   AREA                      41.   WEST LARGE                2859.0000         60.8298         11.9097        141.8400    (    47)
   AREA                      42.   WEST MEDIUM               7047.0000         65.8598         12.9414        167.4802    (   107)
```

A-4-121 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                 SUM         MEAN        STD DEV       VARIANCE        N

   AREA                   43.  WEST SMALL            2573.0000      58.4773       10.2741       105.5576    (     44)
   AREA                   44.  WEST RURAL            3617.0000      78.6304        7.5022        56.2826    (     46)

 TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
    BROKEN DOWN BY   FHOH      FEMALE HEAD OF HOUSEHOLD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                  SUM            MEAN          STD DEV         VARIANCE          N

FOR ENTIRE POPULATION                                     250957.0000         28.2577         13.0889         171.3195     ( 8881)

FHOH                       -99.     UNKNOWN                99026.0000  .      27.4919         13.0380         169.9895     ( 3602)
   AREA                     11.     NE LARGE               48474.0000         27.6836         12.6427         159.8370     ( 1751)
   AREA                     12.     NE MEDIUM               5183.0000         26.0452         11.3961         129.8717     (  199)
   AREA                     13.     NE SMALL                 558.0000         31.0000         12.9887         168.7059     (   18)
   AREA                     21.     NCENT LARGE             9504.0000         27.0000         13.4939         182.0855     (  352)
   AREA                     22.     NCENT MEDIUM            9083.0000         32.7906         13.8192         190.9705     (  277)
   AREA                     24.     NCENT RURAL              655.0000         27.2917         14.4447         208.6504     (   24)
   AREA                     31.     SOUTH LARGE             9606.0000         21.0197         10.8897         118.5851     (  457)
   AREA                     33.     SOUTH SMALL             1275.0000         31.0976         13.4347         180.4902     (   41)
   AREA                     34.     SOUTH RURAL              724.0000         24.1333         11.9011         141.6368     (   30)
   AREA                     41.     WEST LARGE              6552.0000         32.5970         13.2628         175.9018     (  201)
   AREA                     42.     WEST MEDIUM             4202.0000         30.0143         13.7422         188.8607     (  140)
   AREA                     43.     WEST SMALL              2474.0000         26.8913         13.6514         186.3617     (   92)
   AREA                     44.     WEST RURAL               736.0000         36.8000         10.6356         113.1158     (   20)

FHOH                         1.     YES                    41135.0000         25.7738         11.5756         133.9946     ( 1596)
   AREA                     11.     NE LARGE                6581.0000         25.5078         12.1365         147.2937     (  258)
   AREA                     12.     NE MEDIUM               3255.0000         22.7622          9.6253          92.6473     (  143)
   AREA                     13.     NE SMALL                1436.0000         26.5926         12.2128         149.1516     (   54)
   AREA                     21.     NCENT LARGE             9371.0000         26.2493         11.0879         122.9405     (  357)
   AREA                     22.     NCENT MEDIUM            4037.0000         26.0452         11.7514         138.0953     (  155)
   AREA                     24.     NCENT RURAL              712.0000         25.4286         13.2425         175.3651     (   28)
   AREA                     31.     SOUTH LARGE             4194.0000         20.6601          9.7360          94.7898     (  203)
   AREA                     33.     SOUTH SMALL              280.0000         23.3333          8.1835          66.9697     (   12)
   AREA                     34.     SOUTH RURAL              281.0000         21.6154          7.4893          56.0897     (   13)
   AREA                     41.     WEST LARGE              5583.0000         30.1784         11.3686         129.2452     (  185)
   AREA                     42.     WEST MEDIUM             3442.0000         29.4188         12.7660         162.9696     (  117)
   AREA                     43.     WEST SMALL              1683.0000         27.5902         11.5965         134.4792     (   61)
   AREA                     44.     WEST RURAL               280.0000         28.0000         11.9257         142.2222     (   10)

FHOH                         2.     NO                    110796.0000         30.0831         13.5019         182.3011     ( 3683)
   AREA                     11.     NE LARGE               11094.0000         29.5840         13.0927         171.4201     (  375)
   AREA                     12.     NE MEDIUM              10564.0000         30.9795         13.6897         187.4084     (  341)
   AREA                     13.     NE SMALL                7762.0000         30.4392         13.9638         194.9874     (  255)
   AREA                     21.     NCENT LARGE            13216.0000         31.0235         13.6757         187.0253     (  426)
   AREA                     22.     NCENT MEDIUM           14330.0000         31.7035         13.3424         178.0183     (  452)
   AREA                     24.     NCENT RURAL            12373.0000         32.9947         14.2136         202.0267     (  375)
   AREA                     31.     SOUTH LARGE             4886.0000         22.2091         12.1930         148.6684     (  220)
   AREA                     33.     SOUTH SMALL             4899.0000         27.8352         13.4160         179.9898     (  176)
   AREA                     34.     SOUTH RURAL             3417.0000         22.4803         10.7512         115.5890     (  152)
   AREA                     41.     WEST LARGE              8086.0000         32.0873         12.5069         156.4226     (  252)
   AREA                     42.     WEST MEDIUM             9125.0000         30.9322         12.7499         162.5600     (  295)
```

A-4-122 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE        N

  AREA                    43.  WEST SMALL               7274.0000       26.9407       11.9527       142.8664    (   270)
  AREA                    44.  WEST RURAL               3770.0000       40.1064       10.2427       104.9133    (    94)

 TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW       SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   FHOH      FEMALE HEAD OF HOUSEHOLD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE                CODE      VALUE LABEL              SUM            MEAN         STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                    170730.0000       33.3327         12.8089      164.0674   (  5122)

FHOH                        -99.   UNKNOWN                77530.0000       32.1701         12.4389      154.7257   (  2410)
   AREA                      11.   NE LARGE               25915.0000       31.4121         12.6926      161.1018   (   825)
   AREA                      12.   NE MEDIUM               5251.0000       33.4459         12.8589      165.3512   (   157)
   AREA                      13.   NE SMALL                 723.0000       31.4348          8.9179       79.5296   (    23)
   AREA                      21.   NCENT LARGE             8301.0000       30.9739         11.1917      125.2540   (   268)
   AREA                      22.   NCENT MEDIUM           13300.0000       39.4659         12.3095      151.5234   (   337)
   AREA                      24.   NCENT RURAL              599.0000       31.5263         12.1215      146.9298   (    19)
   AREA                      31.   SOUTH LARGE             8013.0000       26.7993          8.8613       78.5234   (   299)
   AREA                      32.   SOUTH MEDIUM            4405.0000       28.9803          8.9305       79.7546   (   152)
   AREA                      33.   SOUTH SMALL             1318.0000       35.6216         13.4026      179.6306   (    37)
   AREA                      34.   SOUTH RURAL              387.0000       24.1875         15.7278      247.3625   (    16)
   AREA                      41.   WEST LARGE              2472.0000       34.8169         13.0672      170.7517   (    71)
   AREA                      42.   WEST MEDIUM             4281.0000       34.2480         14.3182      205.0106   (   125)
   AREA                      43.   WEST SMALL              2565.0000       31.6667         11.5585      133.6000   (    81)

FHOH                          1.   YES                    24531.0000       31.2895         11.4973      132.1881   (   784)
   AREA                      11.   NE LARGE                3240.0000       31.4563         13.3393      177.9368   (   103)
   AREA                      12.   NE MEDIUM               2756.0000       32.0465         11.9340      142.4213   (    86)
   AREA                      13.   NE SMALL                1429.0000       29.7708          9.6453       93.0315   (    48)
   AREA                      21.   NCENT LARGE             5975.0000       32.4728         11.0656      122.4473   (   184)
   AREA                      22.   NCENT MEDIUM            2733.0000       32.5357         11.2854      127.3602   (    84)
   AREA                      24.   NCENT RURAL              562.0000       35.1250         10.2299      104.6500   (    16)
   AREA                      31.   SOUTH LARGE             3459.0000       27.8952          9.8160       96.3548   (   124)
   AREA                      33.   SOUTH SMALL              347.0000       31.5455         11.2815      127.2727   (    11)
   AREA                      34.   SOUTH RURAL              133.0000       16.6250          7.2099       51.9821   (     8)
   AREA                      41.   WEST LARGE               464.0000       33.1429         12.8294      164.5934   (    14)
   AREA                      42.   WEST MEDIUM             2756.0000       33.6098         11.3787      129.4755   (    82)
   AREA                      43.   WEST SMALL               677.0000       28.2083         12.4376      154.6938   (    24)

FHOH                          2.   NO                     68669.0000       35.6167         13.4261      180.2614   (  1928)
   AREA                      11.   NE LARGE                4420.0000       32.7407         13.3299      177.6860   (   135)
   AREA                      12.   NE MEDIUM               8560.0000       39.6296         12.5347      157.1180   (   216)
   AREA                      13.   NE SMALL                7209.0000       35.8657         14.0092      196.2569   (   201)
   AREA                      21.   NCENT LARGE             9505.0000       37.5692         12.9431      167.5240   (   253)
   AREA                      22.   NCENT MEDIUM            8960.0000       39.6460         13.5357      183.2164   (   226)
   AREA                      24.   NCENT RURAL             8043.0000       38.4833         12.5427      157.3182   (   209)
   AREA                      31.   SOUTH LARGE             4121.0000       30.5259         11.1153      123.5497   (   135)
   AREA                      33.   SOUTH SMALL             4616.0000       32.2797         14.2944      204.3297   (   143)
   AREA                      34.   SOUTH RURAL             1516.0000       25.2667         11.2474      126.5040   (    60)
   AREA                      41.   WEST LARGE              1402.0000       36.8947         16.1877      262.0427   (    38)
   AREA                      42.   WEST MEDIUM             5731.0000       34.9451         13.2143      174.6166   (   164)
   AREA                      43.   WEST SMALL              4586.0000       30.9865         10.8740      118.2447   (   148)
```

```
REDO APPENDIX TABLES                                                          08/07/76     PAGE  176
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    7874 OR  60.6 PCT.
```

```
------------------ D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ------------------
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   FMOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
-----------------------------------------------------------------------------------------------

     VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  123551.0000       26.5473        4.4723       20.0011    ( 4654)

FMOH                        -99.   UNKNOWN              56526.0000       26.2180        4.3972       19.3353    ( 2156)
   AREA                      11.   NE LARGE             17439.0000       25.9896        4.5814       20.9894    (  671)
   AREA                      12.   NE MEDIUM             3806.0000       26.4306        4.7329       22.4007    (  144)
   AREA                      13.   NE SMALL               594.0000       25.8261        2.8865        8.3320    (   23)
   AREA                      21.   NCENT LARGE           6544.0000       25.8656        3.8655       14.9422    (  253)
   AREA                      22.   NCENT MEDIUM          9118.0000       28.0554        4.6934       22.0278    (  325)
   AREA                      24.   NCENT RURAL            456.0000       25.3333        3.5974       12.9412    (   18)
   AREA                      31.   SOUTH LARGE           6475.0000       24.1604        2.7191        7.3936    (  268)
   AREA                      32.   SOUTH MEDIUM          3828.0000       25.3510        3.3110       10.9626    (  151)
   AREA                      33.   SOUTH SMALL            993.0000       27.5833        4.1636       17.3357    (   36)
   AREA                      34.   SOUTH RURAL            206.0000       25.7500        6.3415       40.2143    (    8)
   AREA                      41.   WEST LARGE            1848.0000       27.1765        4.6165       21.3117    (   68)
   AREA                      42.   WEST MEDIUM           3221.0000       27.5299        5.4434       29.6306    (  117)
   AREA                      43.   WEST SMALL            1998.0000       27.0000        3.5307       12.4658    (   74)

FMOH                          1.   YES                  18182.0000       25.7901        4.0048       16.0383    (  705)
   AREA                      11.   NE LARGE              2139.0000       25.7711        4.2722       18.2518    (   83)
   AREA                      12.   NE MEDIUM             1959.0000       25.4416        4.1151       16.9340    (   77)
   AREA                      13.   NE SMALL              1157.0000       25.7111        3.2024       10.2556    (   45)
   AREA                      21.   NCENT LARGE           4481.0000       26.3588        4.1218       16.9888    (  170)
   AREA                      22.   NCENT MEDIUM          2046.0000       25.8987        4.1744       17.4255    (   79)
   AREA                      24.   NCENT RURAL            402.0000       26.8000        3.1893       10.1714    (   15)
   AREA                      31.   SOUTH LARGE           2682.0000       24.1622        3.1117        9.6826    (  111)
   AREA                      33.   SOUTH SMALL            284.0000       25.8182        4.0452       16.3636    (   11)
   AREA                      34.   SOUTH RURAL             47.0000       23.5000         .7071         .5000    (    2)
   AREA                      41.   WEST LARGE             367.0000       26.2143        3.5121       12.3352    (   14)
   AREA                      42.   WEST MEDIUM           2033.0000       26.7500        4.4486       19.7900    (   76)
   AREA                      43.   WEST SMALL             585.0000       26.5909        4.0078       16.0628    (   22)

FMOH                          2.   NO                   48843.0000       27.2409        4.6415       21.5435    ( 1793)
   AREA                      11.   NE LARGE              2914.0000       26.9815        4.5033       20.2800    (  108)
   AREA                      12.   NE MEDIUM             5758.0000       27.8164        4.7373       22.4419    (  207)
   AREA                      13.   NE SMALL              5223.0000       27.9305        4.6778       21.8822    (  187)
   AREA                      21.   NCENT LARGE           6839.0000       27.8008        4.7161       22.2418    (  246)
   AREA                      22.   NCENT MEDIUM          6029.0000       27.9120        5.0446       25.4480    (  216)
   AREA                      24.   NCENT RURAL           5658.0000       27.6000        4.6014       21.1725    (  205)
   AREA                      31.   SOUTH LARGE           3207.0000       25.0547        3.8665       14.9497    (  128)
   AREA                      33.   SOUTH SMALL           3508.0000       26.5758        4.1629       17.3301    (  132)
   AREA                      34.   SOUTH RURAL            860.0000       26.0606        4.2200       17.8087    (   33)
   AREA                      41.   WEST LARGE            1034.0000       27.2105        6.1957       38.3869    (   38)
   AREA                      42.   WEST MEDIUM           4193.0000       27.4052        4.6601       21.7163    (  153)
   AREA                      43.   WEST SMALL            3620.0000       25.8571        3.4860       12.1521    (  140)
```

```
REDO APPENDIX TABLES                                                    08/07/76     PAGE 198
ANYONE WITH DATA
  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                   SUM          MEAN       STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                  119208.0000      25.6141        4.5696      20.8813    ( 4654)

FHOH                    -99.   UNKNOWN                  54802.0000      25.4184        4.5361      20.5766    ( 2156)
   AREA                  11.   NE LARGE                 17418.0000      25.9583        4.5141      20.3774    (  671)
   AREA                  12.   NE MEDIUM                 3720.0000      25.8333        4.3113      18.5874    (  144)
   AREA                  13.   NE SMALL                   566.0000      24.6087        3.2297      10.4308    (   23)
   AREA                  21.   NCENT LARGE               6272.0000      24.7905        4.2724      18.2536    (  253)
   AREA                  22.   NCENT MEDIUM              8717.0000      26.8215        4.6207      21.3508    (  325)
   AREA                  24.   NCENT RURAL                451.0000      25.0556        4.3854      19.2320    (   18)
   AREA                  31.   SOUTH LARGE               6249.0000      23.3172        3.9728      15.7829    (  268)
   AREA                  32.   SOUTH MEDIUM              3587.0000      23.7550        4.2442      18.0129    (  151)
   AREA                  33.   SOUTH SMALL                935.0000      25.9722        3.4267      11.7421    (   36)
   AREA                  34.   SOUTH RURAL                184.0000      23.0000        5.5549      30.8571    (    8)
   AREA                  41.   WEST LARGE                1802.0000      26.5000        4.3760      19.1493    (   68)
   AREA                  42.   WEST MEDIUM               3043.0000      26.0085        5.0266      25.2672    (  117)
   AREA                  43.   WEST SMALL                1858.0000      25.1081        4.4370      19.6868    (   74)

FHOH                      1.   YES                      17668.0000      25.0610        4.1428      17.1625    (  705)
   AREA                  11.   NE LARGE                  2120.0000      25.5422        4.0343      16.2756    (   83)
   AREA                  12.   NE MEDIUM                 1945.0000      25.2597        4.2065      17.6948    (   77)
   AREA                  13.   NE SMALL                  1090.0000      24.2222        4.8472      23.4949    (   45)
   AREA                  21.   NCENT LARGE               4314.0000      25.3765        3.9117      15.3012    (  170)
   AREA                  22.   NCENT MEDIUM              2011.0000      25.4557        4.2087      17.7128    (   79)
   AREA                  24.   NCENT RURAL                385.0000      25.6667        3.1320       9.8095    (   15)
   AREA                  31.   SOUTH LARGE               2686.0000      24.1982        4.0650      16.5240    (  111)
   AREA                  33.   SOUTH SMALL                275.0000      25.0000        4.7117      22.2000    (   11)
   AREA                  34.   SOUTH RURAL                 45.0000      22.5000         .7071        .5000    (    2)
   AREA                  41.   WEST LARGE                 342.0000      24.4286        4.6362      21.4945    (   14)
   AREA                  42.   WEST MEDIUM               1945.0000      25.5921        3.8753      15.0181    (   76)
   AREA                  43.   WEST SMALL                 510.0000      23.1818        5.0203      25.2035    (   22)

FHOH                      2.   NO                       46738.0000      26.0669        4.7287      22.3605    ( 1793)
   AREA                  11.   NE LARGE                  2835.0000      26.2500        4.2671      18.2079    (  108)
   AREA                  12.   NE MEDIUM                 5706.0000      27.5652        4.2466      18.0333    (  207)
   AREA                  13.   NE SMALL                  4903.0000      26.2193        4.9989      24.9893    (  187)
   AREA                  21.   NCENT LARGE               6551.0000      26.6301        4.5586      20.7810    (  246)
   AREA                  22.   NCENT MEDIUM              5811.0000      26.9028        4.5846      21.0186    (  216)
   AREA                  24.   NCENT RURAL               5385.0000      26.2683        4.6168      21.3149    (  205)
   AREA                  31.   SOUTH LARGE               3142.0000      24.5469        4.4205      19.5411    (  128)
   AREA                  33.   SOUTH SMALL               3258.0000      24.6818        5.0995      26.0049    (  132)
   AREA                  34.   SOUTH RURAL                817.0000      24.7576        4.4654      19.9394    (   33)
   AREA                  41.   WEST LARGE                1000.0000      26.3158        5.6478      31.8976    (   38)
   AREA                  42.   WEST MEDIUM               3937.0000      25.7320        4.6665      21.7764    (  153)
   AREA                  43.   WEST SMALL                3393.0000      24.2357        4.6296      21.4332    (  140)
```

A-4-125 (cont.)

```
REDO APPENDIX TABLES                                                   08/07/76     PAGE  226
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-126

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMMA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   FMOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                 SUM          MEAN        STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                     105590,0000      22.6880       6.5407        42,7804     (  4654)

FMOH                        -99.   UNKNOWN                 47552,0000      22.0557       6.1457        37,7695     (  2156)
   AREA                      11.   NE LARGE                14652,0000      21.8361       6.1837        38,2388     (   671)
   AREA                      12.   NE MEDIUM                3175,0000      22.0486       5.8493        34,2144     (   144)
   AREA                      13.   NE SMALL                  499,0000      21.6957       5.0671        25,6759     (    23)
   AREA                      21.   NCENT LARGE              5484,0000      21.6759       5.3857        29,0056     (   253)
   AREA                      22.   NCENT MEDIUM             8316,0000      25.5877       6.2634        39,2307     (   325)
   AREA                      24.   NCENT RURAL               407,0000      22.6111       4.8766        23,7810     (    18)
   AREA                      31.   SOUTH LARGE              5073,0000      18.9291       5.2509        27,5717     (   268)
   AREA                      32.   SOUTH MEDIUM             3026,0000      20.0397       4.6374        21,5051     (   151)
   AREA                      33.   SOUTH SMALL               827,0000      22.9722       6.9343        48,0849     (    36)
   AREA                      34.   SOUTH RURAL               185,0000      23.1250       6.6641        44,4107     (     8)
   AREA                      41.   WEST LARGE               1507,0000      22.1618.      6.2237        38,7346     (    68)
   AREA                      42.   WEST MEDIUM              2732,0000      23.3504       6.9448        48,2296     (   117)
   APEA                      43.   WEST SMALL               1669,0000      22.5541       4.5334        20,5518     (    74)

FMOH                          1.   YES                     15235,0000      21.6099       6.2359        38,8860     (   705)
   AREA                      11.   NE LARGE                 1993,0000      24.0120       9,1178        83,1340     (    83)
   AREA                      12.   NE MEDIUM                1621.0000      21.0519       7.4620        55,6815     (    77)
   AREA                      13.   NE SMALL                  920,0000      20.4444       4.2510        18,0707     (    45)
   APEA                      21.   NCENT LARGE              3690,0000      21.7059       4,8561        23,5816     (   170)
   AREA                      22.   NCENT MEDIUM             1716,0000      21.7215       5.2402        27,4599     (    79)
   AREA                      24.   NCENT RURAL               366,0000      24.4000       3.5416        12,5429     (    15)
   AREA                      31.   SOUTH LARGE              2119,0000      19.0901       5.3045        28,1373     (   111)
   AHEA                      33.   SOUTH SMALL               224,0000      20.3636       4.7175        22,2545     (    11)
   AREA                      34.   SOUTH RURAL                35.0000      17.5000       3,5355        12.5000     (     2)
   AREA                      41.   WEST LARGE                309,0000      22.0714       6.6618        44,3791     (    14)
   APEA                      42.   WEST MEDIUM              1754,0000      23.0789       6.7720        45,8604     (    76)
   AREA                      43.   WEST SMALL                488,0000      22.1818       3.5809        12,8225     (    22)

FMOH                          2.   NO                      42803,0000      23.8723       6,9313        48,0423     (  1793)
   AREA                      11.   NE LARGE                 2535,0000      23.4722       6.8488        46,9058     (   108)
   AREA                      12.   NE MEDIUM                5041.0000      24.3527       6.5401        42,7731     (   207)
   AREA                      13.   NE SMALL                 4386.0000      23.4545       6.8259        46,5934     (   187)
   AREA                      21.   NCENT LARGE              5873.0000      23.8740       7.0454        49,6371     (   246)
   AREA                      22.   NCENT MEDIUM             5668.0000      26.2407       7.7368        59,8581     (   216)
   AREA                      24.   NCENT RURAL              5404,0000      26.3610       5.7774        33,3789     (   205)
   AREA                      31.   SOUTH LARGE              2585.0000      20.1953       5.9168        35,0088     (   128)
   AREA                      33.   SOUTH SMALL              2938,0000      22.2576       6.6086        43,6736     (   132)
   AREA                      34.   SOUTH RURAL               719.0000      21.7879       4.1440        17,1723     (    33)
   AREA                      41.   WEST LARGE                878,0000      23.1053       8.5891        73,7724     (    38)
   AREA                      42.   WEST MEDIUM              3684,0000      24.0784       7.8961        62,3491     (   153)
   AREA                      43.   WEST SMALL               3092,0000      22.0857       5.0601        25,6041     (   140)
```

```
REDO APPENDIX TABLES                                                     08/07/76      PAGE  242
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-127

```
----------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S -----------------
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
   BROKEN DOWN BY    FHOH       FEMALE HEAD OF HOUSEHOLD
               BY    AREA       REGION AND CITYSIZE INDICATOR
----------------------------------------------------------------------------------------------

    VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   155837.0000      37.1837      10.4335      108.8588   ( 4191)

FHOH                      -99.   UNKNOWN                 95664.0000      36.4990      10.5218      110.7081   ( 2621)
   AREA                    11.   NE LARGE                47413.0000      35.5686      10.1148      102.3085   ( 1333)
   AREA                    12.   NE MEDIUM                5861.0000      37.5705       9.2263       85.1240   (  156)
   AREA                    13.   NE SMALL                 1720.0000      39.0909      12.1575      147.8055   (   44)
   AREA                    21.   NCENT LARGE              4596.0000      38.6218      11.8593      140.6439   (  119)
   AREA                    22.   NCENT MEDIUM             9095.0000      42.1065      11.6241      135.1188   (  216)
   AREA                    24.   NCENT RURAL              2764.0000      40.0580       9.3303       87.0554   (   69)
   AREA                    31.   SOUTH LARGE              4783.0000      29.7081       6.5294       42.6330   (  161)
   AREA                    33.   SOUTH SMALL              4139.0000      45.9889      11.2215      125.9212   (   90)
   AREA                    34.   SOUTH RURAL              2016.0000      36.6545       9.5553       91.3044   (   55)
   AREA                    41.   WEST LARGE               8189.0000      35.7598       9.8055       96.1482   (  229)
   AREA                    42.   WEST MEDIUM              1858.0000      37.9184      10.5452      111.2015   (   49)
   AREA                    43.   WEST SMALL               3230.0000      32.3000       7.1753       51.4848   (  100)

FHOH                        1.   YES                     14638.0000      34.6052       8.2510       68.0784   (  423)
   AREA                    11.   NE LARGE                 2599.0000      36.0972       7.7208       59.6101   (   72)
   AREA                    12.   NE MEDIUM                1596.0000      33.9574       9.0673       82.2155   (   47)
   AREA                    13.   NE SMALL                  921.0000      36.8400       8.6539       74.8900   (   25)
   AREA                    21.   NCENT LARGE              2203.0000      33.8923       7.6549       58.5976   (   65)
   AREA                    22.   NCENT MEDIUM             1678.0000      37.2889       9.6192       92.5283   (   45)
   AREA                    24.   NCENT RURAL               337.0000      33.7000       8.7184       76.0111   (   10)
   AREA                    31.   SOUTH LARGE               952.0000      31.7333       7.3809       54.4782   (   30)
   AREA                    33.   SOUTH SMALL               195.0000      39.0000       7.7782       60.5000   (    5)
   AREA                    34.   SOUTH RURAL               309.0000      34.3333       5.4083       29.2500   (    9)
   AREA                    41.   WEST LARGE               2253.0000      33.1324       7.6916       59.1613   (   68)
   AREA                    42.   WEST MEDIUM               847.0000      33.8800       8.4277       71.0267   (   25)
   AREA                    43.   WEST SMALL                748.0000      34.0000       8.4628       71.6190   (   22)

FHOH                        2.   NO                      45535.0000      39.6992      10.4871      109.9784   ( 1147)
   AREA                    11.   NE LARGE                 3917.0000      38.4020       9.9157       98.3220   (  102)
   AREA                    12.   NE MEDIUM                4813.0000      38.8145       9.6284       92.7052   (  124)
   AREA                    13.   NE SMALL                 3919.0000      40.4021       8.7781       77.0554   (   97)
   AREA                    21.   NCENT LARGE              3944.0000      41.0833      11.3208      128.1614   (   96)
   AREA                    22.   NCENT MEDIUM             6323.0000      41.5987       9.4975       90.2021   (  152)
   AREA                    24.   NCENT RURAL              7379.0000      46.7025      10.6308      113.0129   (  158)
   AREA                    31.   SOUTH LARGE              1891.0000      32.6034       7.8672       61.8926   (   58)
   AREA                    33.   SOUTH SMALL              2487.0000      42.1525      12.7331      162.1315   (   59)
   AREA                    34.   SOUTH RURAL              2117.0000      35.2833       6.0031       36.0370   (   60)
   AREA                    41.   WEST LARGE               3466.0000      38.0879       9.9840       99.6811   (   91)
   AREA                    42.   WEST MEDIUM              2397.0000      39.2951      10.7368      115.2781   (   61)
   AREA                    43.   WEST SMALL               2882.0000      32.3820       7.2024       51.8751   (   89)

   TOTAL CASES =    12996
 MISSING CASES =     8805 OR  67.8 PCT.
```

A-4-128

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST OR MAT TOTAL MATH
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                CODE     VALUE LABEL                  SUM           MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                         153729.0000       36.6807       11.7979      139.1911   (  4191)

FHOH                         -99.    UNKNOWN                   95652.0000       36.4945       12.1237      146.9837   (  2621)
    AREA                      11.    NE LARGE                  49424.0000       37.0773       12.7163      161.7035   (  1333)
    AREA                      12.    NE MEDIUM                  5644.0000       36.1795       10.9152      119.1418   (   156)
    AREA                      13.    NE SMALL                   1896.0000       43.0909       10.4076      108.3171   (    44)
    AREA                      21.    NCENT LARGE                4257.0000       35.7731       13.3076      177.0922   (   119)
    AREA                      22.    NCENT MEDIUM               8572.0000       39.6852       10.7540      115.6493   (   216)
    AREA                      24.    NCENT RURAL                2890.0000       41.8841       11.9712      143.3099   (    69)
    AREA                      31.    SOUTH LARGE                4452.0000       27.6522        8.9619       80.3158   (   161)
    AREA                      33.    SOUTH SMALL                3747.0000       41.6333       11.3716      129.3135   (    90)
    AREA                      34.    SOUTH RURAL                1831.0000       33.2909        9.3861       88.0990   (    55)
    AREA                      41.    WEST LARGE                 7840.0000       34.2358       10.2579      105.2249   (   229)
    AREA                      42.    WEST MEDIUM                1835.0000       37.4490       11.7740      138.6276   (    49)
    AREA                      43.    WEST SMALL                 3264.0000       32.6400        8.0648       65.0408   (   100)

FHOH                           1.    YES                       13794.0000       32.6099        8.3650       69.9731   (   423)
    AREA                      11.    NE LARGE                   2560.0000       35.5556        8.6852       75.4335   (    72)
    AREA                      12.    NE MEDIUM                  1390.0000       29.5745        7.2284       52.2498   (    47)
    AREA                      13.    NE SMALL                    880.0000       35.2000        9.3675       87.7500   (    25)
    AREA                      21.    NCENT LARGE                1950.0000       30.0000        8.8565       78.4375   (    65)
    AREA                      22.    NCENT MEDIUM               1572.0000       34.9333        8.2059       67.3364   (    45)
    AREA                      24.    NCENT RURAL                 357.0000       35.7000        6.8321       46.6778   (    10)
    AREA                      31.    SOUTH LARGE                 873.0000       29.1000        6.5197       42.5069   (    30)
    AREA                      33.    SOUTH SMALL                 174.0000       34.8000        7.1903       51.7000   (     5)
    AREA                      34.    SOUTH RURAL                 264.0000       29.3333        7.2111       52.0000   (     9)
    AREA                      41.    WEST LARGE                 2207.0000       32.4559        7.1622       51.2965   (    68)
    AREA                      42.    WEST MEDIUM                 842.0000       33.6800        8.9941       80.8933   (    25)
    AREA                      43.    WEST SMALL                  725.0000       32.9545        8.4430       71.2835   (    22)

FHOH                           2.    NO                        44283.0000       38.6077       11.7130      137.1950   (  1147)
    AREA                      11.    NE LARGE                   3934.0000       38.5686       10.4801      109.8319   (   102)
    AREA                      12.    NE MEDIUM                  4533.0000       36.5565       11.3383      128.5578   (   124)
    AREA                      13.    NE SMALL                   3781.0000       38.9794       10.3642      107.4162   (    97)
    AREA                      21.    NCENT LARGE                3791.0000       39.4896       12.3134      151.6209   (    96)
    AREA                      22.    NCENT MEDIUM               6142.0000       40.4079        9.2202       85.0113   (   152)
    AREA                      24.    NCENT RURAL                7607.0000       48.1456       12.0560      145.3481   (   158)
    AREA                      31.    SOUTH LARGE                1682.0000       29.0000        9.4702       89.6842   (    58)
    AREA                      33.    SOUTH SMALL                2323.0000       39.3729       10.2921      105.9275   (    59)
    AREA                      34.    SOUTH RURAL                1845.0000       30.7500        7.8754       62.0212   (    60)
    AREA                      41.    WEST LARGE                 3269.0000       35.9231       11.2608      126.8051   (    91)
    AREA                      42.    WEST MEDIUM                2477.0000       40.6066       11.6908      136.6760   (    61)
    AREA                      43.    WEST SMALL                 2899.0000       32.5730        8.7320       76.2474   (    89)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

A-4-129

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR     STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   FMOH      FEMALE HEAD OF HOUSEHOLD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM          MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                   145960.0000       48.7346       14.9501       223.5050   (  2995)

FMOH                        -99.   UNKNOWN               62268.0000       48.0463       14.0059       196.1662   (  1296)
   AREA                      11.   NE LARGE              34295.0000       46.2821       14.5216       210.8701   (   741)
   AREA                      12.   NE MEDIUM              1220.0000       58.0952       13.8344       191.3905   (    21)
   AREA                      13.   NE SMALL               3552.0000       54.6462       13.0041       169.1072   (    65)
   AREA                      21.   NCENT LARGE            3878.0000       46.1667        9.3188        86.8394   (    84)
   AREA                      22.   NCENT MEDIUM           4345.0000       55.0000       11.6575       135.8974   (    79)
   AREA                      24.   NCENT RURAL            3093.0000       49.0952        9.5084        90.4101   (    63)
   AREA                      31.   SOUTH LARGE            3666.0000       39.8478        9.6555        93.2293   (    92)
   AREA                      33.   SOUTH SMALL            4224.0000       59.4930       13.2965       176.7964   (    71)
   AREA                      42.   WEST MEDIUM            2116.0000       55.6842       10.5064       110.3841   (    38)
   AREA                      43.   WEST SMALL             1879.0000       44.7381       11.4510       131.1249   (    42)

FMOH                          1.   YES                   17887.0000       42.9976       16.1834       261.9112   (   416)
   AREA                      11.   NE LARGE               4866.0000       43.8378       16.4955       272.1007   (   111)
   AREA                      12.   NE MEDIUM              2566.0000       42.7667       14.6257       213.9107   (    60)
   AREA                      13.   NE SMALL               1203.0000       42.9643       16.2720       264.7765   (    28)
   AREA                      21.   NCENT LARGE            2659.0000       44.3167       14.4334       208.3218   (    60)
   AREA                      22.   NCENT MEDIUM           2064.0000       46.9091       13.7601       189.3404   (    44)
   AREA                      24.   NCENT RURAL             521.0000       52.1000        6.0636        36.7667   (    10)
   AREA                      31.   SOUTH LARGE            1505.0000       33.4444       19.0282       362.0707   (    45)
   AREA                      33.   SOUTH SMALL             167.0000       41.7500       26.8871       722.9167   (     4)
   AREA                      34.   SOUTH RURAL             144.0000       36.0000       12.7017       161.3333   (     4)
   AREA                      41.   WEST LARGE              247.0000       49.4000        2.0736         4.3000   (     5)
   AREA                      42.   WEST MEDIUM            1476.0000       44.7273       17.0336       290.1420   (    33)
   AREA                      43.   WEST SMALL              469.0000       39.0833       18.7202       350.4470   (    12)

FMOH                          2.   NO                    65805.0000       51.2899       14.8777       221.3464   (  1283)
   AREA                      11.   NE LARGE               7760.0000       48.8050       12.3639       152.8668   (   159)
   AREA                      12.   NE MEDIUM              7303.0000       52.9203       12.2778       150.7454   (   138)
   AREA                      13.   NE SMALL               7378.0000       53.8540       13.9044       193.3315   (   137)
   AREA                      21.   NCENT LARGE            5311.0000       51.5631       19.6926       387.7974   (   103)
   AREA                      22.   NCENT MEDIUM           8782.0000       53.2242       12.1255       147.0287   (   165)
   AREA                      24.   NCENT RURAL            9177.0000       57.3562       11.4811       131.8157   (   160)
   AREA                      31.   SOUTH LARGE            2607.0000       36.7183       17.8159       317.4052   (    71)
   AREA                      33.   SOUTH SMALL            5961.0000       55.7103       15.1869       230.6417   (   107)
   AREA                      34.   SOUTH RURAL            1525.0000       44.8529       12.8302       164.6141   (    34)
   AREA                      41.   WEST LARGE             1607.0000       53.5667       14.9174       222.5299   (    30)
   AREA                      42.   WEST MEDIUM            4152.0000       50.0241       16.3915       268.6823   (    83)
   AREA                      43.   WEST SMALL             4242.0000       44.1875       12.5609       157.7750   (    96)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

A-4-130

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
    BROKEN DOWN BY   FMOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE                CODE    VALUE LABEL                   SUM          MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                     153133.0000       51.1295        11.2374       126.2791   (  2995)

FMOH                        -99.    UNKNOWN                64752.0000       49.9630        11.0052       121.1152   (  1296)
   AREA                      11.    NE LARGE               36036.0000       48.6316        10.4182       108.5384   (   741)
   AREA                      12.    NE MEDIUM               1084.0000       51.6190        13.7167       188.1476   (    21)
   AREA                      13.    NE SMALL                3642.0000       56.0308        12.0778       145.8740   (    65)
   AREA                      21.    NCENT LARGE             4159.0000       49.5119        10.8322       117.3372   (    84)
   AREA                      22.    NCENT MEDIUM            4275.0000       54.1139        10.3478       107.0766   (    79)
   AREA                      24.    NCENT RURAL             3333.0000       52.9048        10.7609       115.7972   (    63)
   AREA                      31.    SOUTH LARGE             3857.0000       41.9239         8.3353        69.4777   (    92)
   AREA                      33.    SOUTH SMALL             4219.0000       59.4225        10.0209       100.4189   (    71)
   AREA                      42.    WEST MEDIUM             2124.0000       55.8947         8.3238        69.2859   (    38)
   AREA                      43.    WEST SMALL              2023.0000       48.1667         8.2371        67.8496   (    42)

FMOH                          1.    YES                    19627.0000       47.1803         9.9831        99.6614   (   416)
   AREA                      11.    NE LARGE                5276.0000       47.5315        10.0506       101.0149   (   111)
   AREA                      12.    NE MEDIUM               2697.0000       44.9500        10.5033       110.3195   (    60)
   AREA                      13.    NE SMALL                1319.0000       47.1071         9.1057        82.9140   (    28)
   AREA                      21.    NCENT LARGE             2789.0000       46.4833        10.3014       106.1184   (    60)
   AREA                      22.    NCENT MEDIUM            2227.0000       50.6136         9.5070        90.3821   (    44)
   AREA                      24.    NCENT RURAL              514.0000       51.4000         9.5359        90.9333   (    10)
   AREA                      31.    SOUTH LARGE             1943.0000       43.1778         8.1750        66.8313   (    45)
   AREA                      33.    SOUTH SMALL              197.0000       49.2500         3.3040        10.9167   (     4)
   AREA                      34.    SOUTH RURAL              173.0000       43.2500        10.0457       100.9167   (     4)
   AREA                      41.    WEST LARGE               225.0000       45.0000         7.9057        62.5000   (     5)
   AREA                      42.    WEST MEDIUM             1645.0000       49.8485        11.5356       133.0701   (    33)
   AREA                      43.    WEST SMALL               622.0000       51.8333         5.9823        35.7879   (    12)

FMOH                          2.    NO                     68754.0000       53.5885        11.3058       127.8211   (  1283)
   AREA                      11.    NE LARGE                8128.0000       51.1195        11.0008       121.0173   (   159)
   AREA                      12.    NE MEDIUM               7376.0000       53.4493        11.1251       123.7675   (   138)
   AREA                      13.    NE SMALL                7512.0000       54.8321        12.0493       145.1848   (   137)
   AREA                      21.    NCENT LARGE             5560.0000       53.9806        11.9894       143.7447   (   103)
   AREA                      22.    NCENT MEDIUM            9047.0000       54.8303        10.3102       106.3003   (   165)
   AREA                      24.    NCENT RURAL             9484.0000       59.2750        10.7791       116.1881   (   160)
   AREA                      31.    SOUTH LARGE             3098.0000       43.6338         8.4386        71.2068   (    71)
   AREA                      33.    SOUTH SMALL             6143.0000       57.4112        10.4511       109.2255   (   107)
   AREA                      34.    SOUTH RURAL             1552.0000       45.6471         9.3610        87.6292   (    34)
   AREA                      41.    WEST LARGE              1551.0000       51.7000        11.7507       138.0793   (    30)
   AREA                      42.    WEST MEDIUM             4553.0000       54.8554         9.7707        95.4666   (    83)
   AREA                      43.    WEST SMALL              4750.0000       49.4792         8.5569        73.2206   (    96)

   TOTAL CASES =    12939
 MISSING CASES =    10591 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
               BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                SUM            MEAN         STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                      226369.0000        57.4395        13.2861        176.5195   (  3941)

FHOH                        -99.    UNKNOWN                 104397.0000        55.9170        13.0914        171.3859   (  1867)
   AREA                      11.    NE LARGE                 36387.0000        54.0669        11.4925        132.0774   (   673)
   AREA                      12.    NE MEDIUM                 9101.0000        57.9682        10.8359        117.4156   (   157)
   AREA                      13.    NE SMALL                   317.0000        63.4000        13.1263        172.3000   (     5)
   AREA                      21.    NCENT LARGE               4136.0000        55.1467        13.5853        184.5591   (    75)
   AREA                      22.    NCENT MEDIUM              8049.0000        61.9154        14.7470        217.4734   (   130)
   AREA                      24.    NCENT RURAL               5252.0000        59.6818        13.4656        181.3229   (    88)
   AREA                      31.    SOUTH LARGE              12823.0000        46.9707        10.9893        120.7638   (   273)
   AREA                      33.    SOUTH SMALL               6336.0000        66.6947        12.3977        153.7037   (    95)
   AREA                      34.    SOUTH RURAL               1315.0000        54.7917         9.1223         83.2156   (    24)
   AREA                      41.    WEST LARGE                4110.0000        59.5652        10.4691        109.6023   (    69)
   AREA                      42.    WEST MEDIUM               7109.0000        60.2458        13.6281        185.7254   (   118)
   AREA                      43.    WEST SMALL                3491.0000        52.1045        11.6867        136.5798   (    67)
   AREA                      44.    WEST RURAL                5971.0000        64.2043        12.5677        157.9469   (    93)

FHOH                          1.    YES                      26545.0000        52.0490        11.6779        136.3728   (   510)
   AREA                      11.    NE LARGE                  3689.0000        54.2500        10.9290        119.4440   (    68)
   AREA                      12.    NE MEDIUM                 2765.0000        51.2037        12.2696        150.5426   (    54)
   AREA                      13.    NE SMALL                  1431.0000        53.0000        10.4734        109.6923   (    27)
   AREA                      21.    NCENT LARGE               5695.0000        50.8482        10.7780        116.1659   (   112)
   AREA                      22.    NCENT MEDIUM              3001.0000        55.5741         9.2054         84.7397   (    54)
   AREA                      24.    NCENT RURAL                611.0000        61.1000        13.8680        192.3222   (    10)
   AREA                      31.    SOUTH LARGE               3869.0000        46.6145        11.3394        128.5813   (    83)
   AREA                      33.    SOUTH SMALL                180.0000        60.0000        14.0000        196.0000   (     3)
   AREA                      34.    SOUTH RURAL                327.0000        46.7143        10.1442        102.9048   (     7)
   AREA                      41.    WEST LARGE                1992.0000        51.0769        10.4211        108.5992   (    39)
   AREA                      42.    WEST MEDIUM               2267.0000        58.1282        13.0670        170.7463   (    39)
   AREA                      43.    WEST SMALL                 646.0000        49.6923        14.3259        205.2308   (    13)
   AREA                      44.    WEST RURAL                  72.0000        72.0000              0               0   (     1)

FHOH                          2.    NO                       95427.0000        61.0147        13.0732        170.9077   (  1564)
   AREA                      11.    NE LARGE                  5317.0000        57.1720        11.4071        130.1223   (    93)
   AREA                      12.    NE MEDIUM                 8245.0000        62.4621        12.2415        149.8535   (   132)
   AREA                      13.    NE SMALL                  8065.0000        63.5039        14.0537        197.5059   (   127)
   AREA                      21.    NCENT LARGE               7234.0000        59.7851        14.1452        200.0868   (   121)
   AREA                      22.    NCENT MEDIUM             11987.0000        62.1088        12.5334        157.0871   (   193)
   AREA                      24.    NCENT RURAL              16593.0000        67.7265        11.6487        135.6913   (   245)
   AREA                      31.    SOUTH LARGE               4014.0000        50.1750        11.0817        122.8044   (    80)
   AREA                      33.    SOUTH SMALL               6601.0000        64.0874        11.4747        131.6688   (   103)
   AREA                      34.    SOUTH RURAL               5513.0000        53.5243         8.6544         74.8989   (   103)
   AREA                      41.    WEST LARGE                3998.0000        55.5278        12.9571        167.8865   (    72)
   AREA                      42.    WEST MEDIUM               8445.0000        61.6423        11.7045        136.9961   (   137)
```

A-4-131 (cont.)

```
                                                                                    PAGE  340

  VARIABLE            CODE    VALUE LABEL                SUM         MEAN       STD DEV      VARIANCE        N

 AREA                   43.  WEST SMALL             5829.0000     53.4771       9.9996      99.9925    (   109)
 AREA                   44.  WEST RURAL             3586.0000     73.1837      10.7329     115.1947    (    49)

  TOTAL CASES =   12996
MISSING CASES =    9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   FHOH       FEMALE HEAD OF HOUSEHOLD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL              SUM           MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  249263.0000      63.2487      12.9306      167.2006    ( 3941)

FHOH                        -99.   UNKNOWN             116131.0000      62.2019      12.7440      162.4099    ( 1867)
   AREA                      11.   NE LARGE             40434.0000      60.0802      11.9081      141.8031    (  673)
   AREA                      12.   NE MEDIUM            10090.0000      64.2675      11.7355      137.7228    (  157)
   AREA                      13.   NE SMALL               372.0000      74.4000      11.4586      131.3000    (    5)
   AREA                      21.   NCENT LARGE           4591.0000      61.2133      12.4719      155.5485    (   75)
   AREA                      22.   NCENT MEDIUM          8916.0000      68.5846      12.0938      146.2602    (  130)
   AREA                      24.   NCENT RURAL           5896.0000      67.0000       9.2562       85.6782    (   88)
   AREA                      31.   SOUTH LARGE          14761.0000      54.0696       9.8185       96.4032    (  273)
   AREA                      33.   SOUTH SMALL           6994.0000      73.6211      11.4819      131.8336    (   95)
   AREA                      34.   SOUTH RURAL           1505.0000      62.7083      11.9254      142.2156    (   24)
   AREA                      41.   WEST LARGE            4485.0000      65.0000      12.6654      160.4118    (   69)
   AREA                      42.   WEST MEDIUM           7604.0000      64.4407      13.6053      185.1033    (  118)
   AREA                      43.   WEST SMALL            3954.0000      59.0149      11.3304      128.3786    (   67)
   AREA                      44.   WEST RURAL            6529.0000      70.2043      12.7455      162.4469    (   93)

FHOH                          1.   YES                  29704.0000      58.2431      10.6555      113.5400    (  510)
   AREA                      11.   NE LARGE              4066.0000      59.7941      11.0312      121.6883    (   68)
   AREA                      12.   NE MEDIUM             3119.0000      57.7593      11.6844      136.5259    (   54)
   AREA                      13.   NE SMALL              1524.0000      56.4444      11.2944      127.5641    (   27)
   AREA                      21.   NCENT LARGE           6441.0000      57.5089       9.9729       99.4594    (  112)
   AREA                      22.   NCENT MEDIUM          3423.0000      63.3889       9.1804       84.2799    (   54)
   AREA                      24.   NCENT RURAL            660.0000      66.0000      11.1156      123.5556    (   10)
   AREA                      31.   SOUTH LARGE           4473.0000      53.8916       9.8303       96.6346    (   83)
   AREA                      33.   SOUTH SMALL            181.0000      60.3333       4.9329       24.3333    (    3)
   AREA                      34.   SOUTH RURAL            382.0000      54.5714       6.2944       39.6190    (    7)
   AREA                      41.   WEST LARGE            2220.0000      56.9231       7.5092       56.3887    (   39)
   AREA                      42.   WEST MEDIUM           2406.0000      61.6923      12.8086      164.0607    (   39)
   AREA                      43.   WEST SMALL             745.0000      57.3077      10.2825      105.7308    (   13)
   AREA                      44.   WEST RURAL              64.0000      64.0000            0             0    (    1)

FHOH                          2.   NO                  103428.0000      66.1304      13.1459      172.8147    ( 1564)
   AREA                      11.   NE LARGE              5791.0000      62.2688      12.1254      147.0248    (   93)
   AREA                      12.   NE MEDIUM             9177.0000      69.5227      13.6373      185.9766    (  132)
   AREA                      13.   NE SMALL              8436.0000      66.4252      13.5954      184.8336    (  127)
   AREA                      21.   NCENT LARGE           7650.0000      63.2231      13.0974      171.5415    (  121)
   AREA                      22.   NCENT MEDIUM         13174.0000      68.2591      11.9641      143.1409    (  193)
   AREA                      24.   NCENT RURAL          17950.0000      73.2653      10.4049      108.2613    (  245)
   AREA                      31.   SOUTH LARGE           4366.0000      54.5750      10.6863      114.1968    (   80)
   AREA                      33.   SOUTH SMALL           7325.0000      71.1165      11.6032      134.6334    (  103)
   AREA                      34.   SOUTH RURAL           6158.0000      59.7864      10.6510      113.4441    (  103)
   AREA                      41.   WEST LARGE            4363.0000      60.5972      12.3067      151.4552    (   72)
   AREA                      42.   WEST MEDIUM           8850.0000      64.5985      13.0528      170.3744    (  137)
```

A-4-132 (cont.)

```
  VARIABLE             CODE    VALUE LABEL                SUM         MEAN       STD DEV      VARIANCE        N

 AREA                    43.  WEST SMALL             6354.0000      58.2936      10.7154      114.8204    (   109)
 AREA                    44.  WEST RURAL             3834.0000      78.2449       7.5153       56.4804    (    49)

 TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

A-4-133

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE     VALUE LABEL                    SUM           MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                     250957.0000        28.2577        13.0889       171.3195    (  8881)

PRESCHOL                    1.   HS OR HS + OTHER PS       42613.0000        27.5278        12.4613       155.2849    (  1548)
    AREA                   11.   NE LARGE                   7177.0000        28.7080        12.7301       162.0550    (   250)
    AREA                   12.   NE MEDIUM                  2220.0000        23.8710        11.6014       134.5919    (    93)
    AREA                   13.   NE SMALL                    643.0000        23.8148         9.9307        98.6182    (    27)
    AREA                   21.   NCENT LARGE               10260.0000        28.3425        12.2343       149.6774    (   362)
    AREA                   22.   NCENT MEDIUM               4222.0000        30.5942        12.5742       158.1115    (   138)
    AREA                   24.   NCENT RURAL                3583.0000        26.9398        14.0377       197.0570    (   133)
    AREA                   31.   SOUTH LARGE                3598.0000        22.3478        10.9220       119.2908    (   161)
    AREA                   33.   SOUTH SMALL                 701.0000        25.9630        10.7863       116.3447    (    27)
    AREA                   34.   SOUTH RURAL                1252.0000        23.1852        10.3324       106.7575    (    54)
    AREA                   41.   WEST LARGE                 4408.0000        31.4857        12.1291       147.1149    (   140)
    AREA                   42.   WEST MEDIUM                2232.0000        28.2532        11.3290       128.3453    (    79)
    AREA                   43.   WEST SMALL                 2232.0000        27.5556        12.9141       166.7750    (    81)
    AREA                   44.   WEST RURAL                   85.0000        28.3333        15.1767       230.3333    (     3)

PRESCHOL                    3.   OTHER PRESCHOOL ONLY      35098.0000        31.8494        12.9936       168.8347    (  1102)
    AREA                   11.   NE LARGE                  13570.0000        31.1239        12.9841       168.5869    (   436)
    AREA                   12.   NE MEDIUM                  1607.0000        33.4792        14.6083       213.4038    (    48)
    AREA                   13.   NE SMALL                    912.0000        31.4483        17.1685       294.7562    (    29)
    AREA                   21.   NCENT LARGE                3035.0000        34.1011        12.8647       165.5010    (    89)
    AREA                   22.   NCENT MEDIUM               2476.0000        33.0133        12.0769       145.8512    (    75)
    AREA                   24.   NCENT RURAL                 778.0000        37.0476        14.0124       196.3476    (    21)
    AREA                   31.   SOUTH LARGE                2481.0000        25.5773        11.6689       136.1632    (    97)
    AREA                   33.   SOUTH SMALL                 149.0000        37.2500        16.8992       285.5833    (     4)
    AREA                   34.   SOUTH RURAL                  87.0000        21.7500        14.4309       208.2500    (     4)
    AREA                   41.   WEST LARGE                 4158.0000        35.2373        11.8702       140.9005    (   118)
    AREA                   42.   WEST MEDIUM                3123.0000        31.5455        12.5587       157.7199    (    99)
    AREA                   43.   WEST SMALL                 1894.0000        31.0492        11.9058       141.7475    (    61)
    AREA                   44.   WEST RURAL                  828.0000        39.4286         8.8123        77.6571    (    21)

PRESCHOL                    4.   NONE                     112188.0000        28.1102        13.1657       173.3362    (  3991)
    AREA                   11.   NE LARGE                  20115.0000        25.7225        11.7493       138.0471    (   782)
    AREA                   12.   NE MEDIUM                 11492.0000        28.5161        12.8625       165.4444    (   403)
    AREA                   13.   NE SMALL                   7856.0000        30.2154        13.4836       181.8067    (   260)
    AREA                   21.   NCENT LARGE               12168.0000        28.3636        12.9971       168.9235    (   429)
    AREA                   22.   NCENT MEDIUM              15597.0000        30.8241        13.9076       193.4205    (   506)
    AREA                   24.   NCENT RURAL                9205.0000        34.6053        13.7451       188.9266    (   266)
    AREA                   31.   SOUTH LARGE                5878.0000        19.5282        10.5976       112.3091    (   301)
    AREA                   33.   SOUTH SMALL                4736.0000        27.8588        13.3918       179.3409    (   170)
    AREA                   34.   SOUTH RURAL                2611.0000        22.1271        10.7358       115.2572    (   118)
    AREA                   41.   WEST LARGE                 5355.0000        28.6364        11.4562       131.2434    (   187)
    AREA                   42.   WEST MEDIUM                8412.0000        30.5891        13.4342       180.4765    (   275)
```

A-4-133 (cont.)

```
  VARIABLE               CODE    VALUE LABEL                SUM           MEAN         STD DEV        VARIANCE          N

   AREA                    43.  WEST SMALL            5274.0000        25.8529        11.7300        137.5940    (   204)
   AREA                    44.  WEST RURAL            3489.0000        38.7667        11.0261        121.5742    (    90)

PRESCHOL                    5.  UNKNOWN              61058.0000        27.2580        13.1339        172.4097    (  2240)
   AREA                    11.  NE LARGE             25287.0000        27.6059        12.9867        168.6543    (   916)
   AREA                    12.  NE MEDIUM             3683.0000        26.4964        11.3988        129.9330    (   139)
   AREA                    13.  NE SMALL               345.0000        31.3636        14.0091        196.2545    (    11)
   AREA                    21.  NCENT LARGE           6628.0000        25.9922        13.6272        185.7007    (   255)
   AREA                    22.  NCENT MEDIUM          5155.0000        31.2424        13.2274        174.9653    (   165)
   AREA                    24.  NCENT RURAL            174.0000        24.8571        13.5207        182.8095    (     7)
   AREA                    31.  SOUTH LARGE           6729.0000        20.9626        10.7961        116.5548    (   321)
   AREA                    33.  SOUTH SMALL            868.0000        31.0000        13.8964        193.1111    (    28)
   AREA                    34.  SOUTH RURAL            472.0000        24.8421        11.5675        133.8070    (    19)
   AREA                    41.  WEST LARGE            6300.0000        32.6425        13.3261        177.5851    (   193)
   AREA                    42.  WEST MEDIUM           3002.0000        30.3232        13.4550        181.0373    (    99)
   AREA                    43.  WEST SMALL            2031.0000        26.3766        12.7631        162.8958    (    77)
   AREA                    44.  WEST RURAL             384.0000        38.4000        12.5627        157.8222    (    10)

  TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

A-4-134

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE                  CODE     VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                         170730.0000        33.3327        12.8089       164.0674   (  5122)

PRESCHOL                         1.   HS OR HS + OTHER PS      24796.0000        31.9948        11.7191       137.3385   (   775)
   AREA                         11.   NE LARGE                  3549.0000        32.5596        13.1807       173.7302   (   109)
   AREA                         12.   NE MEDIUM                 1480.0000        30.8333        13.0569       170.4823   (    48)
   AREA                         13.   NE SMALL                   589.0000        28.0476        11.0656       122.4476   (    21)
   AREA                         21.   NCENT LARGE               6309.0000        33.5585        11.7306       137.6062   (   188)
   AREA                         22.   NCENT MEDIUM              2771.0000        35.0759        11.2714       127.0454   (    79)
   AREA                         24.   NCENT RURAL               2681.0000        35.2763        12.0251       144.6026   (    76)
   AREA                         31.   SOUTH LARGE               2759.0000        28.4433         9.3106        86.6869   (    97)
   AREA                         32.   SOUTH MEDIUM               134.0000        26.8000         9.9599        99.2000   (     5)
   AREA                         33.   SOUTH SMALL               1001.0000        35.7500         8.9178        79.5278   (    28)
   AREA                         34.   SOUTH RURAL                641.0000        20.0313         8.8990        79.1925   (    32)
   AREA                         41.   WEST LARGE                  91.0000        30.3333         9.8150        96.3333   (     3)
   AREA                         42.   WEST MEDIUM               1408.0000        30.6087         8.9727        80.5101   (    46)
   AREA                         43.   WEST SMALL                1383.0000        32.1628        10.4265       108.7110   (    43)

PRESCHOL                         3.   OTHER PRESCHOOL ONLY     15357.0000        34.9818        13.4594       181.1549   (   439)
   AREA                         11.   NE LARGE                  4743.0000        32.9375        12.2824       150.8562   (   144)
   AREA                         12.   NE MEDIUM                  910.0000        37.9167        16.5999       275.5580   (    24)
   AREA                         13.   NE SMALL                   866.0000        36.0833        16.5580       274.1667   (    24)
   AREA                         21.   NCENT LARGE               1583.0000        37.6905        15.5147       240.7067   (    42)
   AREA                         22.   NCENT MEDIUM              1194.0000        38.5161        15.5604       242.1247   (    31)
   AREA                         24.   NCENT RURAL                344.0000        38.2222        11.6702       136.1944   (     9)
   AREA                         31.   SOUTH LARGE               1651.0000        31.7500        10.8644       118.0343   (    52)
   AREA                         32.   SOUTH MEDIUM                31.0000        31.0000              0              0   (     1)
   AREA                         33.   SOUTH SMALL                114.0000        38.0000         9.5394        91.0000   (     3)
   AREA                         34.   SOUTH RURAL                  6.0000         6.0000              0              0   (     1)
   AREA                         41.   WEST LARGE                1149.0000        42.5556        14.9623       223.8718   (    27)
   AREA                         42.   WEST MEDIUM               2040.0000        35.1724        10.7803       116.2154   (    58)
   AREA                         43.   WEST SMALL                 726.0000        31.5652        12.4090       153.9842   (    23)

PRESCHOL                         4.   NONE                     76943.0000        34.6590        13.0576       170.5006   (  2220)
   AREA                         11.   NE LARGE                 11360.0000        32.2727        11.7597       138.2901   (   352)
   AREA                         12.   NE MEDIUM                10528.0000        38.1449        12.1275       147.0771   (   276)
   AREA                         13.   NE SMALL                  7397.0000        35.0569        13.0624       170.6253   (   211)
   AREA                         21.   NCENT LARGE               8784.0000        35.1360        12.2171       149.2585   (   250)
   AREA                         22.   NCENT MEDIUM             11475.0000        39.2979        13.4094       179.8113   (   292)
   AREA                         24.   NCENT RURAL               5872.0000        39.6757        12.2509       150.0846   (   148)
   AREA                         31.   SOUTH LARGE               4812.0000        27.9767        10.0757       101.5199   (   172)
   AREA                         32.   SOUTH MEDIUM                55.0000        18.3333         7.3711        54.3333   (     3)
   AREA                         33.   SOUTH SMALL               4339.0000        31.6715        15.0905       227.7222   (   137)
   AREA                         34.   SOUTH RURAL               1115.0000        27.1951        11.3561       128.9610   (    41)
   AREA                         41.   WEST LARGE                 662.0000        28.7826        12.6346       159.6324   (    23)
```

A-4-134 (cont.)

```
    VARIABLE              CODE    VALUE LABEL                SUM          MEAN        STD DEV       VARIANCE        N

   AREA                    42.   WEST MEDIUM           6414.0000       35.8324        14.3494       205.9043   (    179)
   AREA                    43.   WEST SMALL            4130.0000       30.3676        11.2946       127.5675   (    136)

 PRESCHOL                   5.   UNKNOWN              53634.0000       31.7737        12.5478       157.4473   (   1688)
   AREA                    11.   NE LARGE             13923.0000       30.3996        13.6269       185.6934   (    458)
   AREA                    12.   NE MEDIUM             3649.0000       32.8739        12.9243       167.0385   (    111)
   AREA                    13.   NE SMALL               509.0000       31.8125         9.4391        89.0958   (     16)
   AREA                    21.   NCENT LARGE           7105.0000       31.5778        11.4086       130.1558   (    225)
   AREA                    22.   NCENT MEDIUM          9553.0000       38.9918        12.0851       146.0491   (    245)
   AREA                    24.   NCENT RURAL            307.0000       27.9091        13.4793       181.6909   (     11)
   AREA                    31.   SOUTH LARGE           6371.0000       26.8819         9.2866        86.2402   (    237)
   AREA                    32.   SOUTH MEDIUM          4185.0000       29.2657         8.8644        78.5748   (    143)
   AREA                    33.   SOUTH SMALL            827.0000       35.9565        11.8263       139.8617   (     23)
   AREA                    34.   SOUTH RURAL            274.0000       27.4000        18.5424       343.8222   (     10)
   AREA                    41.   WEST LARGE            2436.0000       34.8000        13.1608       173.2058   (     70)
   AREA                    42.   WEST MEDIUM           2906.0000       33.0227        13.7071       187.8845   (     88)
   AREA                    43.   WEST SMALL            1589.0000       31.1569        11.4497       131.0949   (     51)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE    VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   123551.0000       26.5473       4.4723       20.0011    (  4654)

PRESCHOL                  1.   HS OR HS + OTHER PS       18165.0000       26.2880       3.9511       15.6111    (   691)
   AREA                  11.   NE LARGE                   2413.0000       26.8111       4.2714       18.2448    (    90)
   AREA                  12.   NE MEDIUM                  1057.0000       25.7805       4.9372       24.3756    (    41)
   AREA                  13.   NE SMALL                    487.0000       25.6316       3.5779       12.8012    (    19)
   AREA                  21.   NCENT LARGE                4660.0000       26.7816       3.9180       15.3519    (   174)
   AREA                  22.   NCENT MEDIUM               2057.0000       26.7143       3.7376       13.9699    (    77)
   AREA                  24.   NCENT RURAL                1948.0000       27.0556       4.3472       18.8983    (    72)
   AREA                  31.   SOUTH LARGE                2146.0000       24.3864       2.9844        8.9045    (    88)
   AREA                  32.   SOUTH MEDIUM                121.0000       24.2000       3.7014       13.7000    (     5)
   AREA                  33.   SOUTH SMALL                 716.0000       26.5185       2.7368        7.4900    (    27)
   AREA                  34.   SOUTH RURAL                 257.0000       23.3636       4.2959       18.4545    (    11)
   AREA                  41.   WEST LARGE                   70.0000       23.3333       2.5166        6.3333    (     3)
   AREA                  42.   WEST MEDIUM                1103.0000       26.2619       3.2011       10.2468    (    42)
   AREA                  43.   WEST SMALL                 1130.0000       26.9048       3.8938       15.1614    (    42)

PRESCHOL                  3.   OTHER PRESCHOOL ONLY      10593.0000       27.0230       5.0741       25.7463    (   392)
   AREA                  11.   NE LARGE                   3057.0000       26.1282       4.6005       21.1645    (   117)
   AREA                  12.   NE MEDIUM                   652.0000       27.1667       7.8832       62.1449    (    24)
   AREA                  13.   NE SMALL                    654.0000       28.4348       6.8213       46.5296    (    23)
   AREA                  21.   NCENT LARGE                1151.0000       28.0732       5.6053       31.4195    (    41)
   AREA                  22.   NCENT MEDIUM                762.0000       28.2222       4.9485       24.4872    (    27)
   AREA                  24.   NCENT RURAL                 242.0000       26.8889       3.8873       15.1111    (     9)
   AREA                  31.   SOUTH LARGE                1238.0000       25.2653       4.0557       16.4490    (    49)
   AREA                  32.   SOUTH MEDIUM                 25.0000       25.0000            0             0    (     1)
   AREA                  33.   SOUTH SMALL                  83.0000       27.6667       4.1633       17.3333    (     3)
   AREA                  41.   WEST LARGE                  789.0000       29.2222       5.5006       30.2564    (    27)
   AREA                  42.   WEST MEDIUM                1382.0000       27.0980       3.9812       15.8502    (    51)
   AREA                  43.   WEST SMALL                  558.0000       27.9000       3.3545       11.2526    (    20)

PRESCHOL                  4.   NONE                      55290.0000       26.8398       4.5195       20.4260    (  2060)
   AREA                  11.   NE LARGE                   7674.0000       26.0136       4.0119       16.0951    (   295)
   AREA                  12.   NE MEDIUM                  7125.0000       27.4038       4.1907       17.5621    (   260)
   AREA                  13.   NE SMALL                   5417.0000       27.4975       4.2047       17.6798    (   197)
   AREA                  21.   NCENT LARGE                6495.0000       27.0625       4.6076       21.2304    (   240)
   AREA                  22.   NCENT MEDIUM               7850.0000       27.8369       5.1284       26.3007    (   282)
   AREA                  24.   NCENT RURAL                4082.0000       27.7687       4.5406       20.6174    (   147)
   AREA                  31.   SOUTH LARGE                3976.0000       24.3926       3.2077       10.2893    (   163)
   AREA                  32.   SOUTH MEDIUM                 70.0000       23.3333       3.7859       14.3333    (     3)
   AREA                  33.   SOUTH SMALL                3363.0000       26.6905       4.4748       20.0234    (   126)
   AREA                  34.   SOUTH RURAL                 688.0000       26.4615       4.2259       17.8585    (    26)
   AREA                  41.   WEST LARGE                  568.0000       24.6957       4.7524       22.5850    (    23)
   AREA                  42.   WEST MEDIUM                4733.0000       27.6784       5.4510       29.7136    (   171)
```

A-4-135 (cont.)

```
   VARIABLE              CODE    VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE        N

  AREA                    43.  WEST SMALL               3249.0000       25.5827       3.3439        11.1816     (   127)

PRESCHOL                   5.  UNKNOWN                 39503.0000       26.1436       4.4284        19.6105     (  1511)
  AREA                    11.  NE LARGE                 9348.0000       25.9667       4.9974        24.9738     (   360)
  AREA                    12.  NE MEDIUM                2689.0000       26.1068       4.7957        22.9983     (   103)
  AREA                    13.  NE SMALL                  416.0000       26.0000       2.6583         7.0667     (    16)
  AREA                    21.  NCENT LARGE              5558.0000       25.9720       3.9775        15.8208     (   214)
  AREA                    22.  NCENT MEDIUM             6524.0000       27.8803       4.6742        21.8483     (   234)
  AREA                    24.  NCENT RURAL               244.0000       24.4000       4.4522        19.8222     (    10)
  AREA                    31.  SOUTH LARGE              5004.0000       24.1739       2.9027         8.4259     (   207)
  AREA                    32.  SOUTH MEDIUM             3612.0000       25.4366       3.3058        10.9286     (   142)
  AREA                    33.  SOUTH SMALL               623.0000       27.0870       3.9302        15.4466     (    23)
  AREA                    34.  SOUTH RURAL               168.0000       28.0000       5.0596        25.6000     (     6)
  AREA                    41.  WEST LARGE               1822.0000       27.1940       4.6490        21.6133     (    67)
  AREA                    42.  WEST MEDIUM              2229.0000       27.1829       4.8639        23.6575     (    82)
  AREA                    43.  WEST SMALL               1266.0000       26.9362       3.6320        13.1915     (    47)

 TOTAL CASES =    12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                     SUM          MEAN       STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                       119208.0000       25.6141       4.5696        20.8813   (  4654)

PRESCHOL                     1.   HS OR HS + OTHER PS        17438.0000       25.2359       4.1176        16.9544   (   691)
  AREA                      11.   NE LARGE                    2300.0000       25.5556       3.5667        12.7216   (    90)
  AREA                      12.   NE MEDIUM                   1050.0000       25.6098       4.4039        19.3939   (    41)
  AREA                      13.   NE SMALL                     442.0000       23.2632       5.0093        25.0936   (    19)
  AREA                      21.   NCENT LARGE                 4507.0000       25.9023       4.2408        17.9846   (   174)
  AREA                      22.   NCENT MEDIUM                1988.0000       25.8182       3.9093        15.2823   (    77)
  AREA                      24.   NCENT RURAL                 1857.0000       25.7917       3.9680        15.7447   (    72)
  AREA                      31.   SOUTH LARGE                 2141.0000       24.3295       4.0392        16.3154   (    88)
  AREA                      32.   SOUTH MEDIUM                 104.0000       20.8000       4.2071        17.7000   (     5)
  AREA                      33.   SOUTH SMALL                  698.0000       25.8519       3.4940        12.2080   (    27)
  AREA                      34.   SOUTH RURAL                  227.0000       20.6364       4.5227        20.4545   (    11)
  AREA                      41.   WEST LARGE                    74.0000       24.6667       5.7735        33.3333   (     3)
  AREA                      42.   WEST MEDIUM                 1022.0000       24.3333       3.1751        10.0813   (    42)
  AREA                      43.   WEST SMALL                  1028.0000       24.4762       4.3294        18.7433   (    42)

PRESCHOL                     3.   OTHER PRESCHOOL ONLY       10290.0000       26.2500       4.7077        22.1624   (   392)
  AREA                      11.   NE LARGE                    3064.0000       26.1880       4.3070        18.5505   (   117)
  AREA                      12.   NE MEDIUM                    631.0000       26.2917       5.0431        25.4330   (    24)
  AREA                      13.   NE SMALL                     622.0000       27.0435       6.6639        44.4071   (    23)
  AREA                      21.   NCENT LARGE                 1109.0000       27.0488       5.2486        27.5476   (    41)
  AREA                      22.   NCENT MEDIUM                 735.0000       27.2222       4.6271        21.4103   (    27)
  AREA                      24.   NCENT RURAL                  223.0000       24.7778       4.1466        17.1944   (     9)
  AREA                      31.   SOUTH LARGE                 1238.0000       25.2653       4.2415        17.9906   (    49)
  AREA                      32.   SOUTH MEDIUM                  27.0000       27.0000            0              0   (     1)
  AREA                      33.   SOUTH SMALL                   82.0000       27.3333       3.0551         9.3333   (     3)
  AREA                      41.   WEST LARGE                   745.0000       27.5926       5.5902        31.2507   (    27)
  AREA                      42.   WEST MEDIUM                 1332.0000       26.1176       3.7664        14.1859   (    51)
  AREA                      43.   WEST SMALL                   482.0000       24.1000       4.9831        24.8316   (    20)

PRESCHOL                     4.   NONE                       53358.0000       25.9019       4.6832        21.9321   (  2060)
  AREA                      11.   NE LARGE                    7710.0000       26.1356       4.4426        19.7367   (   295)
  AREA                      12.   NE MEDIUM                   7076.0000       27.2154       4.1104        16.8955   (   260)
  AREA                      13.   NE SMALL                    5100.0000       25.8883       4.6880        21.9773   (   197)
  AREA                      21.   NCENT LARGE                 6193.0000       25.8042       4.2720        18.2502   (   240)
  AREA                      22.   NCENT MEDIUM                7604.0000       26.9645       4.6903        21.9987   (   282)
  AREA                      24.   NCENT RURAL                 3902.0000       26.5442       4.6937        22.0306   (   147)
  AREA                      31.   SOUTH LARGE                 3862.0000       23.6933       4.2865        18.3745   (   163)
  AREA                      32.   SOUTH MEDIUM                  51.0000       17.0000       2.6458         7.0000   (     3)
  AREA                      33.   SOUTH SMALL                 3086.0000       24.4921       5.2654        27.7239   (   126)
  AREA                      34.   SOUTH RURAL                  668.0000       25.6923       3.8551        14.8615   (    26)
  AREA                      41.   WEST LARGE                   551.0000       23.9565       4.5375        20.5889   (    23)
  AREA                      42.   WEST MEDIUM                 4483.0000       26.2164       4.9557        24.5588   (   171)
```

A-4-136 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N

   AREA                   43.  WEST SMALL           3072.0000       24.1890        4.7555       22.6148    (   127)

PRESCHOL                   5.  UNKNOWN             38122.0000       25.2296        4.5301       20.5214    (  1511)
   AREA                   11.  NE LARGE             9299.0000       25.8306        4.6722       21.8291    (   360)
   AREA                   12.  NE MEDIUM            2614.0000       25.3786        4.5398       20.6101    (   103)
   AREA                   13.  NE SMALL              395.0000       24.6875        3.4004       11.5625    (    16)
   AREA                   21.  NCENT LARGE          5328.0000       24.8972        4.2898       18.4025    (   214)
   AREA                   22.  NCENT MEDIUM         6212.0000       26.5470        4.6148       21.2961    (   234)
   AREA                   24.  NCENT RURAL           239.0000       23.9000        5.4661       29.8778    (    10)
   AREA                   31.  SOUTH LARGE          4836.0000       23.3623        3.9621       15.6982    (   207)
   AREA                   32.  SOUTH MEDIUM         3405.0000       23.9789        4.1419       17.1556    (   142)
   AREA                   33.  SOUTH SMALL           602.0000       26.1739        2.9022        8.4229    (    23)
   AREA                   34.  SOUTH RURAL           151.0000       25.1667        4.5350       20.5667    (     6)
   AREA                   41.  WEST LARGE           1774.0000       26.4776        4.4051       19.4048    (    67)
   AREA                   42.  WEST MEDIUM          2088.0000       25.4634        4.8995       24.0048    (    82)
   AREA                   43.  WEST SMALL           1179.0000       25.0851        4.4224       19.5578    (    47)

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SSKMMA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
--------------------------------------------------------------------------------------------

   VARIABLE              CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                    105590.0000     22.6880      6.5407      42.7804     (  4654)

PRESCHOL                   1.   HS OR HS + OTHER PS      15381.0000     22.2590      6.1440      37.7487     (   691)
   AREA                   11.   NE LARGE                  2197.0000     24.4111      8.4293      71.0538     (    90)
   AREA                   12.   NE MEDIUM                  809.0000     19.7317      6.7640      45.7512     (    41)
   AREA                   13.   NE SMALL                   378.0000     19.8947      3.9143      15.3216     (    19)
   AREA                   21.   NCENT LARGE               3858.0000     22.1724      6.0071      36.0857     (   174)
   AREA                   22.   NCENT MEDIUM              1800.0000     23.3766      5.5914      31.2642     (    77)
   AREA                   24.   NCENT RURAL               1766.0000     24.5278      5.4436      29.6330     (    72)
   AREA                   31.   SOUTH LARGE               1720.0000     19.5455      4.7268      22.3427     (    88)
   AREA                   32.   SOUTH MEDIUM               107.0000     21.4000      4.6152      21.3000     (     5)
   AREA                   33.   SOUTH SMALL                639.0000     23.6667      5.2550      27.6154     (    27)
   AREA                   34.   SOUTH RURAL                224.0000     20.3636      3.8800      15.0545     (    11)
   AREA                   41.   WEST LARGE                  55.0000     18.3333      3.0551       9.3333     (     3)
   AREA                   42.   WEST MEDIUM                911.0000     21.6905      5.1061      26.0726     (    42)
   AREA                   43.   WEST SMALL                 917.0000     21.8333      4.5367      20.5813     (    42)

PRESCHOL                   3.   OTHER PRESCHOOL ONLY      9196.0000     23.4592      7.1483      51.0981     (   392)
   AREA                   11.   NE LARGE                  2660.0000     22.7350      6.3861      40.7826     (   117)
   AREA                   12.   NE MEDIUM                  626.0000     26.0833      9.8683      97.3841     (    24)
   AREA                   13.   NE SMALL                   529.0000     23.0000      8.1965      67.1818     (    23)
   AREA                   21.   NCENT LARGE                979.0000     23.8780      8.6029      74.0098     (    41)
   AREA                   22.   NCENT MEDIUM               686.0000     25.4074      6.8515      46.9430     (    27)
   AREA                   24.   NCENT RURAL                250.0000     27.7778      4.5491      20.6944     (     9)
   AREA                   31.   SOUTH LARGE                988.0000     20.1633      5.2652      27.7228     (    49)
   AREA                   32.   SOUTH MEDIUM                19.0000     19.0000           0            0     (     1)
   AREA                   33.   SOUTH SMALL                 70.0000     23.3333      4.1633      17.3333     (     3)
   AREA                   41.   WEST LARGE                 689.0000     25.5185      7.7379      59.8746     (    27)
   AREA                   42.   WEST MEDIUM               1231.0000     24.1373      7.3485      54.0008     (    51)
   AREA                   43.   WEST SMALL                 469.0000     23.4500      4.3707      19.1026     (    20)

PRESCHOL                   4.   NONE                     47683.0000     23.1471      6.7790      45.9546     (  2060)
   AREA                   11.   NE LARGE                  6418.0000     21.7559      5.6834      32.3008     (   295)
   AREA                   12.   NE MEDIUM                 6162.0000     23.7000      6.3052      39.7552     (   260)
   AREA                   13.   NE SMALL                  4535.0000     23.0203      6.4158      41.1629     (   197)
   AREA                   21.   NCENT LARGE               5507.0000     22.9458      6.0598      36.7209     (   240)
   AREA                   22.   NCENT MEDIUM              7261.0000     25.7482      7.5565      57.1001     (   282)
   AREA                   24.   NCENT RURAL               3951.0000     26.8776      5.6724      32.1767     (   147)
   AREA                   31.   SOUTH LARGE               3039.0000     18.6442      6.2080      38.5393     (   163)
   AREA                   32.   SOUTH MEDIUM                47.0000     15.6667      4.0415      16.3333     (     3)
   AREA                   33.   SOUTH SMALL               2755.0000     21.8651      6.8776      47.3017     (   126)
   AREA                   34.   SOUTH RURAL                564.0000     21.6923      4.3797      19.1915     (    26)
   AREA                   41.   WEST LARGE                 464.0000     20.1739      7.7674      60.3320     (    23)
   AREA                   42.   WEST MEDIUM               4168.0000     24.3743      8.0761      65.2238     (   171)
```

A-4-137 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                 SUM            MEAN          STD DEV        VARIANCE         N

   AREA                  43.  WEST SMALL               2812.0000         22.1417         5.0517         25.5194     (   127)

PRESCHOL                  5.  UNKNOWN                 33330.0000         22.0582         6.1449         37.7595     (  1511)
   AREA                  11.  NE LARGE                 7905.0000         21.9583         6.8588         47.0429     (   360)
   AREA                  12.  NE MEDIUM                2240.0000         21.7476         5.7866         33.4847     (   103)
   AREA                  13.  NE SMALL                  363.0000         22.6875         5.1084         26.0958     (    16)
   AREA                  21.  NCENT LARGE              4703.0000         21.9766         5.3149         28.2483     (   214)
   AREA                  22.  NCENT MEDIUM             5953.0000         25.4402         6.2025         38.4707     (   234)
   AREA                  24.  NCENT RURAL               210.0000         21.0000         4.0277         16.2222     (    10)
   AREA                  31.  SOUTH LARGE              4030.0000         19.4686         5.1254         26.2696     (   207)
   AREA                  32.  SOUTH MEDIUM             2853.0000         20.0915         4.6432         21.5589     (   142)
   AREA                  33.  SOUTH SMALL               525.0000         22.8261         6.5203         42.5138     (    23)
   AREA                  34.  SOUTH RURAL               151.0000         25.1667         6.3692         40.5667     (     6)
   AREA                  41.  WEST LARGE               1486.0000         22.1791         6.2690         39.3008     (    67)
   AREA                  42.  WEST MEDIUM              1860.0000         22.6829         6.4576         41.7007     (    82)
   AREA                  43.  WEST SMALL               1051.0000         22.3617         4.3710         19.1055     (    47)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

A-4-138

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR NAT TOTAL READING
   BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE             CODE     VALUE LABEL                    SUM            MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                   155837.0000         37.1837        10.4335       108.8588     ( 4191)

PRESCHOL                  1.   HS OR HS + OTHER PS     16861.0000         36.1824         9.4005        88.3698     (  466)
   AREA                  11.   NE LARGE                 2894.0000         38.0789        10.5309       110.9004     (   76)
   AREA                  12.   NE MEDIUM                1396.0000         32.4651         8.6199        74.3023     (   43)
   AREA                  13.   NE SMALL                  275.0000         34.3750         8.7658        76.8393     (    8)
   AREA                  21.   NCENT LARGE              1970.0000         35.1786         7.9249        62.8039     (   56)
   AREA                  22.   NCENT MEDIUM             1719.0000         37.3696         9.2697        85.9271     (   46)
   AREA                  24.   NCENT RURAL              2547.0000         40.4286        10.7938       116.5069     (   63)
   AREA                  31.   SOUTH LARGE              1479.0000         32.8667         7.4211        55.0727     (   45)
   AREA                  33.   SOUTH SMALL               630.0000         45.0000        11.3612       129.0769     (   14)
   AREA                  34.   SOUTH RURAL               842.0000         33.6800         6.3095        39.8100     (   25)
   AREA                  41.   WEST LARGE               1550.0000         35.2273         8.0720        65.1564     (   44)
   AREA                  42.   WEST MEDIUM               506.0000         36.1429         7.1882        51.6703     (   14)
   AREA                  43.   WEST SMALL               1053.0000         32.9063         7.5492        56.9909     (   32)

PRESCHOL                  3.   OTHER PRESCHOOL ONLY    15652.0000         37.8068         9.5715        91.6139     (  414)
   AREA                  11.   NE LARGE                 8591.0000         37.1905         8.9403        79.9288     (  231)
   AREA                  12.   NE MEDIUM                 953.0000         43.3182         9.9637        99.2749     (   22)
   AREA                  13.   NE SMALL                  170.0000         42.5000        15.1987       231.0000     (    4)
   AREA                  21.   NCENT LARGE               614.0000         43.8571        14.9092       222.2857     (   14)
   AREA                  22.   NCENT MEDIUM              707.0000         41.5882         9.0006        81.0074     (   17)
   AREA                  24.   NCENT RURAL               134.0000         44.6667         9.7125        94.3333     (    3)
   AREA                  31.   SOUTH LARGE               364.0000         33.0909        10.3194       106.4909     (   11)
   AREA                  33.   SOUTH SMALL               107.0000         53.5000         4.9497        24.5000     (    2)
   AREA                  34.   SOUTH RURAL                72.0000         36.0000         4.2426        18.0000     (    2)
   AREA                  41.   WEST LARGE               2178.0000         39.6000         9.6831        93.7630     (   55)
   AREA                  42.   WEST MEDIUM               926.0000         33.0714         5.7666        33.2540     (   28)
   AREA                  43.   WEST SMALL                836.0000         33.4400         7.8160        61.0900     (   25)

PRESCHOL                  4.   NONE                   106362.0000         37.4514        10.6337       113.0748     ( 2840)
   AREA                  11.   NE LARGE                35456.0000         35.3500         9.9357        98.7187     ( 1003)
   AREA                  12.   NE MEDIUM                8817.0000         38.1688         9.0838        82.5149     (  231)
   AREA                  13.   NE SMALL                 6076.0000         39.7124         9.7094        94.2720     (  153)
   AREA                  21.   NCENT LARGE              6640.0000         39.0588        11.3480       128.7776     (  170)
   AREA                  22.   NCENT MEDIUM            12941.0000         42.0162        11.0186       121.4102     (  308)
   AREA                  24.   NCENT RURAL              7729.0000         45.7337        10.5359       111.0061     (  169)
   AREA                  31.   SOUTH LARGE              4178.0000         30.0576         6.2331        38.8517     (  139)
   AREA                  33.   SOUTH SMALL              5440.0000         43.8710        12.2576       150.2434     (  124)
   AREA                  34.   SOUTH RURAL              3184.0000         36.5977         7.8332        61.3595     (   87)
   AREA                  41.   WEST LARGE               8625.0000         34.7782         9.4301        88.9263     (  248)
   AREA                  42.   WEST MEDIUM              3061.0000         39.7532        11.9022       141.6420     (   77)
   AREA                  43.   WEST SMALL               4215.0000         32.1756         7.2753        52.9305     (  131)

PRESCHOL                  5.   UNKNOWN                 16962.0000         36.0127        10.7875       116.3701     (  471)
   AREA                  11.   NE LARGE                 6988.0000         35.4721        11.1856       125.1178     (  197)
```

A-4-138 (cont.)

```
    VARIABLE                CODE     VALUE LABEL                  SUM           MEAN         STD DEV        VARIANCE          N

   AREA                        12.  NE MEDIUM              1104.0000        35.6129          9.9186         98.3785     (     31)
   AREA                        13.  NE SMALL                 39.0000        39.0000               0               0     (      1)
   AREA                        21.  NCENT LARGE            1519.0000        37.9750         11.7156        137.2558     (     40)
   AREA                        22.  NCENT MEDIUM           1729.0000        41.1667         10.2575        105.2154     (     42)
   AREA                        24.  NCENT RURAL              70.0000        35.0000          9.8995         98.0000     (      2)
   AREA                        31.  SOUTH LARGE            1605.0000        29.7222          7.6440         58.4308     (     54)
   AREA                        33.  SOUTH SMALL             644.0000        46.0000          9.1987         84.6154     (     14)
   AREA                        34.  SOUTH RURAL             344.0000        34.4000         10.1566        103.1556     (     10)
   AREA                        41.  WEST LARGE             1555.0000        37.9268         10.8798        118.3695     (     41)
   AREA                        42.  WEST MEDIUM             609.0000        38.0625          8.8880         78.9958     (     16)
   AREA                        43.  WEST SMALL              756.0000        32.8696          6.9498         48.3004     (     23)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

A-4-139

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                  SUM            MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                   153729,0000         36.6807        11.7979       139,1911     (  4191)

PRESCHOL                    1.   HS OR HS + OTHER PS     16041,0000         34.4227        10.4276       108.7349     (   466)
   AREA                    11.   NE LARGE                 2775,0000         36.5132         9.8177        96.3865     (    76)
   AREA                    12.   NE MEDIUM                1295,0000         30.1163         7.9499        63.2004     (    43)
   AREA                    13.   NE SMALL                  274,0000         34.2500         7.1863        51.6429     (     8)
   AREA                    21.   NCENT LARGE              1854.0000         33.1071         7.9491        63.1883     (    56)
   AREA                    22.   NCENT MEDIUM             1719.0000         37.3696         8.7695        76.9048     (    46)
   AREA                    24.   NCENT RURAL              2607.0000         41.3810        13.3277       177.6267     (    63)
   AREA                    31.   SOUTH LARGE              1223.0000         27.1778         8.1611        66.6040     (    45)
   AREA                    33.   SOUTH SMALL               555,0000         39.6429        10.1497       103.0165     (    14)
   AREA                    34.   SOUTH RURAL               721.0000         28.8400         7.6957        59.2233     (    25)
   AREA                    41.   WEST LARGE               1497.0000         34.0227         8.9403        79.9297     (    44)
   AREA                    42.   WEST MEDIUM               487.0000         34.7857         9.3247        86.9505     (    14)
   AREA                    43.   WEST SMALL               1034.0000         32.3125        11.0115       121.2540     (    32)

PRESCHOL                    3.   OTHER PRESCHOOL ONLY    15711.0000         37.9493        10.7381       115.3073     (   414)
   AREA                    11.   NE LARGE                 8822.0000         38.1905        10.9393       119.6679     (   231)
   AREA                    12.   NE MEDIUM                 880.0000         40.0000        12.2085       149.0476     (    22)
   AREA                    13.   NE SMALL                  189.0000         47.2500        12.5797       158.2500     (     4)
   AREA                    21.   NCENT LARGE               543.0000         38.7857        10.0551       101.1044     (    14)
   AREA                    22.   NCENT MEDIUM              714.0000         42.0000        10.7355       115.2500     (    17)
   AREA                    24.   NCENT RURAL               148.0000         49.3333          .5774          .3333     (     3)
   AREA                    31.   SOUTH LARGE               367.0000         33.3636         6.3761        40.6545     (    11)
   AREA                    33.   SOUTH SMALL                96.0000         48.0000         4.2426        18.0000     (     2)
   AREA                    34.   SOUTH RURAL                69.0000         34.5000         7.7782        60.5000     (     2)
   AREA                    41.   WEST LARGE               2148.0000         39.0545        10.7831       116.2747     (    55)
   AREA                    42.   WEST MEDIUM               898.0000         32.0714         7.2568        52.6614     (    28)
   AREA                    43.   WEST SMALL                837.0000         33.4800         9.1929        84.5100     (    25)

PRESCHOL                    4.   NONE                   105404.0000         37.1141        12.0655       145.5756     (  2840)
   AREA                    11.   NE LARGE                37150.0000         37.0389        12.8787       165.8598     (  1003)
   AREA                    12.   NE MEDIUM                8355.0000         36.1688        10.9136       119.1062     (   231)
   AREA                    13.   NE SMALL                 6042.0000         39.4902        10.4750       109.7252     (   153)
   AREA                    21.   NCENT LARGE              6117.0000         35.9824        13.4549       181.0352     (   170)
   AREA                    22.   NCENT MEDIUM            12243.0000         39.7500        10.0390       100.7809     (   308)
   AREA                    24.   NCENT RURAL              8036.0000         47.5503        11.5933       134.4037     (   169)
   AREA                    31.   SOUTH LARGE              3794.0000         27.2950         8.3998        70.5573     (   139)
   AREA                    33.   SOUTH SMALL              5080.0000         40.9677        10.8754       118.2754     (   124)
   AREA                    34.   SOUTH RURAL              2855.0000         32.8161         8.5529        73.1518     (    87)
   AREA                    41.   WEST LARGE               8247.0000         33.2540         9.9880        99.7611     (   248)
   AREA                    42.   WEST MEDIUM              3180.0000         41.2987        11.8500       140.4228     (    77)
   AREA                    43.   WEST SMALL               4305.0000         32.8626         7.2957        53.2271     (   131)

PRESCHOL                    5.   UNKNOWN                 16573.0000         35.1868        11.9495       142.7905     (   471)
   AREA                    11.   NE LARGE                 7171.0000         36.4010        12.5530       157.5782     (   197)
```

A-4-139 (cont.)

```
  VARIABLE              CODE   VALUE LABEL              SUM         MEAN       STD DEV      VARIANCE        N

  AREA                   12.  NE MEDIUM           1037.0000      33.4516      10.7078      114.6559   (    31)
  AREA                   13.  NE SMALL              52.0000      52.0000            0             0   (     1)
  AREA                   21.  NCENT LARGE         1484.0000      37.1000      14.1653      200.6564   (    40)
  AREA                   22.  NCENT MEDIUM        1610.0000      38.3333      11.1523      124.3740   (    42)
  AREA                   24.  NCENT RURAL           63.0000      31.5000      12.0208      144.5000   (     2)
  AREA                   31.  SOUTH LARGE         1623.0000      30.0556      10.2707      105.4874   (    54)
  AREA                   33.  SOUTH SMALL          513.0000      36.6429      12.2450      149.9396   (    14)
  AREA                   34.  SOUTH RURAL          295.0000      29.5000      10.1462      102.9444   (    10)
  AREA                   41.  WEST LARGE          1424.0000      34.7317       9.2602       85.7512   (    41)
  AREA                   42.  WEST MEDIUM          589.0000      36.8125      12.8541      165.2292   (    16)
  AREA                   43.  WEST SMALL           712.0000      30.9565       9.1675       84.0435   (    23)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR      STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE           CODE    VALUE LABEL                      SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     145960.0000       48.7346      14.9501      223.5050    (  2995)

PRESCHOL                  1.   HS OR HS + OTHER PS         18021.0000       46.5659      15.2146      231.4946    (   387)
   AREA                  11.   NE LARGE                     4053.0000       47.6824      15.7050      246.6479    (    85)
   AREA                  12.   NE MEDIUM                     813.0000       40.6500      18.0504      325.8184    (    20)
   AREA                  13.   NE SMALL                      462.0000       42.0000      14.2759      203.8000    (    11)
   AREA                  21.   NCENT LARGE                  2410.0000       48.2000      10.4511      109.2245    (    50)
   AREA                  22.   NCENT MEDIUM                 1520.0000       54.2857      10.2771      105.6190    (    28)
   AREA                  24.   NCENT RURAL                  3567.0000       51.6957      10.0401      100.8031    (    69)
   AREA                  31.   SOUTH LARGE                  1596.0000       33.9574      17.7886      316.4129    (    47)
   AREA                  33.   SOUTH SMALL                  1031.0000       51.5500      14.6951      215.9447    (    20)
   AREA                  34.   SOUTH RURAL                   607.0000       40.4667      17.1667      294.6952    (    15)
   AREA                  41.   WEST LARGE                    357.0000       44.6250      17.5494      307.9821    (     8)
   AREA                  42.   WEST MEDIUM                   787.0000       52.4667       9.1015       82.8381    (    15)
   AREA                  43.   WEST SMALL                    818.0000       43.0526      17.1285      293.3860    (    19)

PRESCHOL                  3.   OTHER PRESCHOOL ONLY        15917.0000       48.3799      12.6736      160.6204    (   329)
   AREA                  11.   NE LARGE                    10841.0000       48.3973      12.9212      166.9580    (   224)
   AREA                  12.   NE MEDIUM                     614.0000       51.1667       7.0561       49.7879    (    12)
   AREA                  13.   NE SMALL                      118.0000       59.0000      15.5563      242.0000    (     2)
   AREA                  21.   NCENT LARGE                   185.0000       46.2500       3.8622       14.9167    (     4)
   AREA                  22.   NCENT MEDIUM                  661.0000       47.2143      16.0489      257.5659    (    14)
   AREA                  31.   SOUTH LARGE                   522.0000       43.5000      14.3242      205.1818    (    12)
   AREA                  41.   WEST LARGE                   1074.0000       56.5263      12.0847      146.0409    (    19)
   AREA                  42.   WEST MEDIUM                  1095.0000       45.6250      12.0860      146.0707    (    24)
   AREA                  43.   WEST SMALL                    807.0000       44.8333       6.4739       41.9118    (    18)

PRESCHOL                  4.   NONE                       103410.0000       49.2194      15.3179      234.6371    (  2101)
   AREA                  11.   NE LARGE                    27254.0000       44.9736      14.4907      209.9795    (   606)
   AREA                  12.   NE MEDIUM                    9604.0000       51.6344      13.5026      182.3197    (   186)
   AREA                  13.   NE SMALL                    11553.0000       53.2396      14.2181      202.1553    (   217)
   AREA                  21.   NCENT LARGE                  6125.0000       48.2283      20.3946      415.9395    (   127)
   AREA                  22.   NCENT MEDIUM                13010.0000       52.8862      12.4692      155.4809    (   246)
   AREA                  24.   NCENT RURAL                  8964.0000       56.7342      11.4894      132.0053    (   158)
   AREA                  31.   SOUTH LARGE                  5624.0000       38.0000      14.2976      204.4218    (   148)
   AREA                  33.   SOUTH SMALL                  8980.0000       57.9355      14.5078      210.4763    (   155)
   AREA                  34.   SOUTH RURAL                  1062.0000       46.1739       8.9831       80.6957    (    23)
   AREA                  41.   WEST LARGE                    423.0000       52.8750      11.7283      137.5536    (     8)
   AREA                  42.   WEST MEDIUM                  5862.0000       50.9739      16.8499      283.9204    (   115)
   AREA                  43.   WEST SMALL                   4949.0000       44.1875      12.6367      159.6852    (   112)

PRESCHOL                  5.   UNKNOWN                      8612.0000       48.3820      13.4505      180.9154    (   178)
   AREA                  11.   NE LARGE                     4773.0000       49.7188      15.7197      247.1095    (    96)
   AREA                  12.   NE MEDIUM                      58.0000       58.0000       0            0           (     1)
```

A-4-140 (cont.)

```
                                                                              PAGE  302

   VARIABLE               CODE    VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE          N

  AREA                      21.  NCENT LARGE            3128.0000       47.3939        7.4501       55.5040     (    66)
  AREA                      24.  NCENT RURAL             260.0000       43.3333        9.3737       87.8667     (     6)
  AREA                      31.  SOUTH LARGE              36.0000       36.0000             0             0     (     1)
  AREA                      33.  SOUTH SMALL             341.0000       48.7143       21.6619      469.2381     (     7)
  AREA                      43.  WEST SMALL               16.0000       16.0000             0             0     (     1)

 TOTAL CASES =    12996
MISSING CASES =   10001 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
   BROKEN DOWN BY    PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                 SUM            MEAN          STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                  153133.0000        51.1295         11.2374       126.2791   (  2995)

PRESCHOL                   1.   HS OR HS + OTHER PS     19000.0000        49.0956         10.6641       113.7240   (   387)
   AREA                   11.   NE LARGE                 4083.0000        48.0353         10.2533       105.1297   (    85)
   AREA                   12.   NE MEDIUM                 864.0000        43.2000         12.7676       163.0105   (    20)
   AREA                   13.   NE SMALL                  484.0000        44.0000          7.5100        56.4000   (    11)
   AREA                   21.   NCENT LARGE              2525.0000        50.5000          8.9334        79.8061   (    50)
   AREA                   22.   NCENT MEDIUM             1480.0000        52.8571          9.9989        99.9788   (    28)
   AREA                   24.   NCENT RURAL              3775.0000        54.7101         10.5984       112.3265   (    69)
   AREA                   31.   SOUTH LARGE              1958.0000        41.6596          9.3327        87.0990   (    47)
   AREA                   33.   SOUTH SMALL              1074.0000        53.7000          7.9346        62.9579   (    20)
   AREA                   34.   SOUTH RURAL               640.0000        42.6667          7.9612        63.3810   (    15)
   AREA                   41.   WEST LARGE                380.0000        47.5000          6.5465        42.8571   (     8)
   AREA                   42.   WEST MEDIUM               786.0000        52.4000         10.4867       109.9714   (    15)
   AREA                   43.   WEST SMALL                951.0000        50.0526          9.5363        90.9415   (    19)

PRESCHOL                   3.   OTHER PRESCHOOL ONLY    16594.0000        50.4377          9.8286        96.6005   (   329)
   AREA                   11.   NE LARGE                11350.0000        50.6696          9.8658        97.3343   (   224)
   AREA                   12.   NE MEDIUM                 617.0000        51.4167         11.9503       142.8106   (    12)
   AREA                   13.   NE SMALL                  101.0000        50.5000         10.6066       112.5000   (     2)
   AREA                   21.   NCENT LARGE               187.0000        46.7500         11.5866       134.2500   (     4)
   AREA                   22.   NCENT MEDIUM              731.0000        52.2143          6.6815        44.6429   (    14)
   AREA                   31.   SOUTH LARGE               544.0000        45.3333          8.0829        65.3333   (    12)
   AREA                   41.   WEST LARGE               1006.0000        52.9474         12.3939       153.6082   (    19)
   AREA                   42.   WEST MEDIUM              1160.0000        48.3333         10.6349       113.1014   (    24)
   AREA                   43.   WEST SMALL                898.0000        49.8889          5.7485        33.0458   (    18)

PRESCHOL                   4.   NONE                   108738.0000        51.7554         11.4655       131.4582   (  2101)
   AREA                   11.   NE LARGE                29292.0000        48.3366         10.4185       108.5443   (   606)
   AREA                   12.   NE MEDIUM                9643.0000        51.8441         11.3701       129.2783   (   186)
   AREA                   13.   NE SMALL                11888.0000        54.7834         11.9951       143.8834   (   217)
   AREA                   21.   NCENT LARGE              6463.0000        50.8898         12.9635       168.0512   (   127)
   AREA                   22.   NCENT MEDIUM            13338.0000        54.2195         10.4819       109.8700   (   246)
   AREA                   24.   NCENT RURAL              9295.0000        58.8291         10.9383       119.6458   (   158)
   AREA                   31.   SOUTH LARGE              6350.0000        42.9054          8.0385        64.6168   (   148)
   AREA                   33.   SOUTH SMALL              9102.0000        58.7226         10.5974       112.3057   (   155)
   AREA                   34.   SOUTH RURAL              1085.0000        47.1739          9.8703        97.4229   (    23)
   AREA                   41.   WEST LARGE                390.0000        48.7500         12.9477       167.6429   (     8)
   AREA                   42.   WEST MEDIUM              6376.0000        55.4435          9.4713        89.7051   (   115)
   AREA                   43.   WEST SMALL               5516.0000        49.2500          8.3164        69.1622   (   112)

PRESCHOL                   5.   UNKNOWN                  8801.0000        49.4438         11.4852       131.9093   (   178)
   AREA                   11.   NE LARGE                 4715.0000        49.1146         12.3236       151.8709   (    96)
   AREA                   12.   NE MEDIUM                  33.0000        33.0000               0              0   (     1)
```

A-4-141 (cont.)

```
   VARIABLE            CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

  AREA                  21.  NCENT LARGE             3333.0000       50.5000       10.6673      113.7923    (     66)
  AREA                  24.  NCENT RURAL              261.0000       43.5000        7.2595       52.7400    (      6)
  AREA                  31.  SOUTH LARGE               46.0000       46.0000             0             0    (      1)
  AREA                  33.  SOUTH SMALL              383.0000       54.7143        4.2706       18.2381    (      7)
  AREA                  43.  WEST SMALL                30.0000       30.0000             0             0    (      1)

 TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

A-4-141 (cont.)

```
   VARIABLE              CODE     VALUE LABEL                    SUM           MEAN         STD DEV       VARIANCE          N

  AREA                     21.   NCENT LARGE               3333.0000        50.5000         10.6673       113.7923     (     66)
  AREA                     24.   NCENT RURAL                261.0000        43.5000          7.2595        52.7000     (      6)
  AREA                     31.   SOUTH LARGE                 46.0000        46.0000               0              0     (      1)
  AREA                     33.   SOUTH SMALL                383.0000        54.7143          4.2706        18.2381     (      7)
  AREA                     43.   WEST SMALL                  30.0000        30.0000               0              0     (      1)

 TOTAL CASES =    12996
MISSING CASES =   10001 OR  77.0 PCT.
```

A-4-142

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MR
    BROKEN DOWN BY   PRESCHOL    TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                       226369.0000        57.4395        13.2861       176.5195    (  3941)

PRESCHOL                     1.   HS OR HS + OTHER PS        31050.0000        55.4464        12.3507       152.5410    (   560)
   AREA                     11.   NE LARGE                    4809.0000        57.2500        12.4551       155.1295    (    84)
   AREA                     12.   NE MEDIUM                   2080.0000        54.7368         9.9123        98.2532    (    38)
   AREA                     13.   NE SMALL                     524.0000        52.4000        14.9310       222.9333    (    10)
   AREA                     21.   NCENT LARGE                 4759.0000        52.8778        11.1424       124.1534    (    90)
   AREA                     22.   NCENT MEDIUM                2249.0000        62.4722        11.3653       129.1706    (    36)
   AREA                     24.   NCENT RURAL                 5235.0000        63.0723        12.3148       151.6532    (    83)
   AREA                     31.   SOUTH LARGE                 3606.0000        48.7297        11.0184       121.4054    (    74)
   AREA                     33.   SOUTH SMALL                 1043.0000        61.3529        13.1336       172.4926    (    17)
   AREA                     34.   SOUTH RURAL                 1570.0000        50.6452         9.0905        82.6366    (    31)
   AREA                     41.   WEST LARGE                  2072.0000        51.8000        11.8261       139.8564    (    40)
   AREA                     42.   WEST MEDIUM                 1961.0000        56.0286         8.3859        70.3227    (    35)
   AREA                     43.   WEST SMALL                  1142.0000        51.9091        13.3663       178.6580    (    22)

PRESCHOL                     3.   OTHER PRESCHOOL ONLY       18588.0000        55.9880        11.7556       138.1932    (   332)
   AREA                     11.   NE LARGE                    7974.0000        54.2449         9.6178        92.5013    (   147)
   AREA                     12.   NE MEDIUM                    862.0000        61.5714        18.6659       348.4176    (    14)
   AREA                     13.   NE SMALL                     358.0000        59.6667        18.4896       341.8667    (     6)
   AREA                     21.   NCENT LARGE                  874.0000        51.4118        10.3384       106.8824    (    17)
   AREA                     22.   NCENT MEDIUM                 836.0000        59.7143         9.7935        95.9121    (    14)
   AREA                     24.   NCENT RURAL                  222.0000        74.0000         1.0000         1.0000    (     3)
   AREA                     31.   SOUTH LARGE                 1813.0000        51.8000         9.5757        91.6941    (    35)
   AREA                     33.   SOUTH SMALL                   71.0000        71.0000              0              0    (     1)
   AREA                     34.   SOUTH RURAL                  114.0000        57.0000         5.6569        32.0000    (     2)
   AREA                     41.   WEST LARGE                  1431.0000        59.6250        12.3704       153.0272    (    24)
   AREA                     42.   WEST MEDIUM                 1910.0000        56.1765        13.0558       170.4528    (    34)
   AREA                     43.   WEST SMALL                  1110.0000        52.8571        11.3811       129.5286    (    21)
   AREA                     44.   WEST RURAL                  1013.0000        72.3571         6.4998        42.2473    (    14)

PRESCHOL                     4.   NONE                      141379.0000        58.8589        13.4615       181.2108    (  2402)
   AREA                     11.   NE LARGE                   24299.0000        54.6045        11.3775       129.4468    (   445)
   AREA                     12.   NE MEDIUM                  15292.0000        59.0425        11.8306       139.9633    (   259)
   AREA                     13.   NE SMALL                    8880.0000        62.5352        13.6000       184.9597    (   142)
   AREA                     21.   NCENT LARGE                 8728.0000        57.0458        14.5956       213.0308    (   153)
   AREA                     22.   NCENT MEDIUM               18727.0000        61.8053        13.1981       174.1904    (   303)
   AREA                     24.   NCENT RURAL                16078.0000        66.4380        12.4233       154.3385    (   242)
   AREA                     31.   SOUTH LARGE                 8910.0000        46.4063        11.2330       126.1796    (   192)
   AREA                     33.   SOUTH SMALL                 9521.0000        66.1181        11.3664       129.1958    (   144)
   AREA                     34.   SOUTH RURAL                 4544.0000        54.0952         8.5103        72.4246    (    84)
   AREA                     41.   WEST LARGE                  2554.0000        53.2083        11.9928       143.8280    (    48)
   AREA                     42.   WEST MEDIUM                11561.0000        62.1559        12.2153       149.2134    (   186)
   AREA                     43.   WEST SMALL                  5241.0000        52.4100        10.1056       102.1231    (   100)
```

A-4-142 (cont.)

```
VARIABLE          CODE   VALUE LABEL             SUM          MEAN       STD DEV     VARIANCE       N

 AREA              44.   WEST RURAL         7044.0000      67.7308      13.2183     174.7229   (   104)

PRESCHOL            5.   UNKNOWN           35352.0000      54.6399      13.4322     180.4227   (   647)
  AREA             11.   NE LARGE           8311.0000      52.6013      12.4793     155.7317   (   158)
  AREA             12.   NE MEDIUM          1877.0000      58.6563      13.7902     190.1683   (    32)
  AREA             13.   NE SMALL             51.0000      51.0000            0            0   (     1)
  AREA             21.   NCENT LARGE        2704.0000      56.3333      13.6636     186.6950   (    48)
  AREA             22.   NCENT MEDIUM       1225.0000      51.0417      12.4951     156.1286   (    24)
  AREA             24.   NCENT RURAL         921.0000      61.4000      17.3156     299.8286   (    15)
  AREA             31.   SOUTH LARGE        6377.0000      47.2370      11.1731     124.8389   (   135)
  AREA             33.   SOUTH SMALL        2482.0000      63.6410      13.5287     183.0256   (    39)
  AREA             34.   SOUTH RURAL         927.0000      54.5294      10.2659     105.3897   (    17)
  AREA             41.   WEST LARGE         4043.0000      59.4559      10.5072     110.4010   (    68)
  AREA             42.   WEST MEDIUM        2389.0000      61.2564      16.0324     257.0378   (    39)
  AREA             43.   WEST SMALL         2473.0000      53.7609      11.5049     132.3638   (    46)
  AREA             44.   WEST RURAL         1572.0000      62.8800      11.6523     135.7767   (    25)

 TOTAL CASES =    12996
MISSING CASES =    9055 OR  69.7 PCT.
```

434

A-4-143

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   PRESCHOL   TYPE OF PRESCHOOL EXPERIENCE
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                    SUM            MEAN          STD DEV        VARIANCE          N

FOR ENTIRE POPULATION                                      249263,0000         63.2487         12,9306        167,2806      (  3941)

PRESCHOL                    1.  HS OR HS + OTHER PS         34093.0000         60.8804         12.3035        151.3756      (   560)
   AREA                    11.  NE LARGE                     5128.0000         61.0476         12.5946        158.6242      (    84)
   AREA                    12.  NE MEDIUM                    2342.0000         61.6316         11.8445        140.2930      (    38)
   AREA                    13.  NE SMALL                      562.0000         56.2000         13.2229        174.8444      (    10)
   AREA                    21.  NCENT LARGE                  5316.0000         59.0667         11.0604        122.3326      (    90)
   AREA                    22.  NCENT MEDIUM                 2432.0000         67.5556         12.6230        159.3397      (    36)
   AREA                    24.  NCENT RURAL                  5716.0000         68.8675         10.8872        118.5310      (    83)
   AREA                    31.  SOUTH LARGE                  3979.0000         53.7703         10.4966        110.1794      (    74)
   AREA                    33.  SOUTH SMALL                  1148.0000         67.5294         12.1713        148.1397      (    17)
   AREA                    34.  SOUTH RURAL                  1784.0000         57.5484         12.0771        145.8559      (    31)
   AREA                    41.  WEST LARGE                   2311.0000         57.7750          8.7662         76.8455      (    40)
   AREA                    42.  WEST MEDIUM                  2115.0000         60.4286         10.8500        117.7227      (    35)
   AREA                    43.  WEST SMALL                   1260.0000         57.2727         13.3851        179.1602      (    22)

PRESCHOL                    3.  OTHER PRESCHOOL ONLY        20385.0000         61.4006         11.7940        139.0989      (   332)
   AREA                    11.  NE LARGE                     8846.0000         60.1769         10.5789        111.9137      (   147)
   AREA                    12.  NE MEDIUM                     927.0000         66.2143         17.1293        293.4121      (    14)
   AREA                    13.  NE SMALL                      375.0000         62.5000         17.2598        297.9000      (     6)
   AREA                    21.  NCENT LARGE                   962.0000         56.5882         11.1974        125.3824      (    17)
   AREA                    22.  NCENT MEDIUM                  916.0000         65.4286          8.4098         70.7253      (    14)
   AREA                    24.  NCENT RURAL                   233.0000         77.6667          6.3509         40.3333      (     3)
   AREA                    31.  SOUTH LARGE                  2046.0000         58.4571          8.8329         78.0202      (    35)
   AREA                    33.  SOUTH SMALL                    75.0000         75.0000          0              0            (     1)
   AREA                    34.  SOUTH RURAL                   147.0000         73.5000           .7071          .5000       (     2)
   AREA                    41.  WEST LARGE                   1528.0000         63.6667         13.5154        182.6667      (    24)
   AREA                    42.  WEST MEDIUM                  1998.0000         58.7647         13.4661        181.3369      (    34)
   AREA                    43.  WEST SMALL                   1258.0000         59.9048          8.7630         76.7905      (    21)
   AREA                    44.  WEST RURAL                   1074.0000         76.7143          6.6844         44.6813      (    14)

PRESCHOL                    4.  NONE                       155006.0000         64.5321         13.0336        169.8751      (  2402)
   AREA                    11.  NE LARGE                    26998.0000         60.6697         11.8846        141.2442      (   445)
   AREA                    12.  NE MEDIUM                   17011.0000         65.6795         13.0447        170.1643      (   259)
   AREA                    13.  NE SMALL                     9328.0000         65.6901         13.5428        183.4069      (   142)
   AREA                    21.  NCENT LARGE                  9427.0000         61.6144         12.6876        160.9753      (   153)
   AREA                    22.  NCENT MEDIUM                20685.0000         68.2673         11.7258        137.4945      (   303)
   AREA                    24.  NCENT RURAL                 17557.0000         72.5496         10.3415        106.9457      (   242)
   AREA                    31.  SOUTH LARGE                 10089.0000         52.5469          9.7276         94.6261      (   192)
   AREA                    33.  SOUTH SMALL                 10484.0000         72.8056         11.4301        130.6472      (   144)
   AREA                    34.  SOUTH RURAL                  5045.0000         60.0595          9.6335         92.8036      (    84)
   AREA                    41.  WEST LARGE                   2818.0000         58.7083         11.0009        121.0195      (    48)
   AREA                    42.  WEST MEDIUM                 12163.0000         65.3925         12.6953        161.1695      (   186)
   AREA                    43.  WEST SMALL                   5828.0000         58.2800         10.0182        100.3653      (   100)
```

A-4-143 (cont.)

```
  VARIABLE                CODE    VALUE LABEL                  SUM            MEAN         STD DEV        VARIANCE          N

   AREA                    44.   WEST RURAL              7573.0000         72.8173         11.4669        131.4906     (    104)

PRESCHOL                    5.   UNKNOWN                39779.0000         61.4822         13.0485        170.2625     (    647)
   AREA                    11.   NE LARGE                9319.0000         58.9810         12.5629        157.8277     (    158)
   AREA                    12.   NE MEDIUM               2106.0000         65.8125         12.9501        167.7056     (     32)
   AREA                    13.   NE SMALL                  67.0000         67.0000               0               0     (      1)
   AREA                    21.   NCENT LARGE             2977.0000         62.0208         12.1734        148.1910     (     48)
   AREA                    22.   NCENT MEDIUM            1480.0000         61.6667         11.2662        126.9275     (     24)
   AREA                    24.   NCENT RURAL             1000.0000         66.6667          8.2347         67.8095     (     15)
   AREA                    31.   SOUTH LARGE             7486.0000         55.4519          9.8638         97.2943     (    135)
   AREA                    33.   SOUTH SMALL             2793.0000         71.6154         11.9332        142.4008     (     39)
   AREA                    34.   SOUTH RURAL             1069.0000         62.8824         12.9802        168.4853     (     17)
   AREA                    41.   WEST LARGE              4411.0000         64.8676         12.7114        161.5792     (     68)
   AREA                    42.   WEST MEDIUM             2584.0000         66.2564         15.8956        252.6694     (     39)
   AREA                    43.   WEST SMALL              2707.0000         58.8478         12.3504        152.5319     (     46)
   AREA                    44.   WEST RURAL              1780.0000         71.2000         15.0139        225.4167     (     25)

  TOTAL CASES =    12991
MISSING CASES =     9055 OR   69.7 PCT.
```

436

A-4-144

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW      FALL KIND WRAT TOTAL
   BROKEN DOWN BY    SEX      SEX OF CHILD
               BY    AREA     REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                  SUM          MEAN       STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                                       250957.0000      28.2577      13.0889     171.3195   (  8881)

SEX                        -99.                               1026.0000      32.0625      13.2371     175.2218   (    32)
   AREA                     11.   NE LARGE                     858.0000      33.0000      12.3709     153.0400   (    26)
   AREA                     13.   NE SMALL                      44.0000      44.0000            0            0   (     1)
   AREA                     21.   NCENT LARGE                  113.0000      28.2500      17.6895     312.9167   (     4)
   AREA                     33.   SOUTH SMALL                   11.0000      11.0000            0            0   (     1)

SEX                          1.   MALE                      121915.0000      26.9069      13.0885     171.3096   (  4531)
   AREA                     11.   NE LARGE                   31001.0000      26.3390      13.0494     170.2872   (  1177)
   AREA                     12.   NE MEDIUM                  10217.0000      27.6135      12.6643     160.3841   (   370)
   AREA                     13.   NE SMALL                    4364.0000      27.4465      12.8451     164.9955   (   159)
   AREA                     21.   NCENT LARGE                15797.0000      26.7293      12.6845     160.8961   (   591)
   AREA                     22.   NCENT MEDIUM               14000.0000      29.9145      13.6395     186.0355   (   468)
   AREA                     24.   NCENT RURAL                 6705.0000      30.4773      14.1539     200.3328   (   220)
   AREA                     31.   SOUTH LARGE                 8396.0000      18.7830       9.8023      96.0851   (   447)
   AREA                     33.   SOUTH SMALL                 2969.0000      26.5089      13.2943     176.7387   (   112)
   AREA                     34.   SOUTH RURAL                 2123.0000      21.4444      10.7677     115.9433   (    99)
   AREA                     41.   WEST LARGE                 10478.0000      31.8480      13.0378     169.9839   (   329)
   AREA                     42.   WEST MEDIUM                 7253.0000      28.3320      11.9877     143.7050   (   256)
   AREA                     43.   WEST SMALL                  6203.0000      26.1730      12.2626     150.3725   (   237)
   AREA                     44.   WEST RURAL                  2409.0000      36.5000      11.2513     126.5923   (    66)

SEX                          2.   FEMALE                    128016.0000      29.6471      12.9394     167.4279   (  4318)
   AREA                     11.   NE LARGE                   34290.0000      29.0347      12.1834     148.4352   (  1181)
   AREA                     12.   NE MEDIUM                   8785.0000      28.0671      12.7929     163.6589   (   313)
   AREA                     13.   NE SMALL                    5348.0000      32.0240      14.1012     198.8428   (   167)
   AREA                     21.   NCENT LARGE                16181.0000      29.9648      13.1777     173.6518   (   540)
   AREA                     22.   NCENT MEDIUM               13450.0000      32.3317      13.0889     171.1890   (   416)
   AREA                     24.   NCENT RURAL                 7035.0000      33.9855      14.2796     203.9076   (   207)
   AREA                     31.   SOUTH LARGE                10290.0000      23.7644      11.5636     133.7175   (   433)
   AREA                     33.   SOUTH SMALL                 3474.0000      29.9483      13.0276     169.7190   (   116)
   AREA                     34.   SOUTH RURAL                 2299.0000      23.9479      10.5883     112.1130   (    96)
   AREA                     41.   WEST LARGE                  9743.0000      31.5307      11.8268     139.8732   (   309)
   AREA                     42.   WEST MEDIUM                 9516.0000      32.1486      13.5945     184.8117   (   296)
   AREA                     43.   WEST SMALL                  5228.0000      28.1075      12.2152     149.2100   (   186)
   AREA                     44.   WEST RURAL                  2377.0000      40.9828      10.0341     100.6839   (    58)

  TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

437

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW       SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   SEX       SEX OF CHILD
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE   VALUE LABEL                 SUM          MEAN       STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                 170730.0000       33.3327       12.8089       164.0674    ( 5122)

SEX                       -99.                           668.0000       30.3636       12.9672       168.1472    (   22)
   AREA                    11.   NE LARGE                262.0000       37.4286       12.8952       166.2857    (    7)
   AREA                    21.   NCENT LARGE             350.0000       29.1667       11.5431       133.2424    (   12)
   AREA                    24.   NCENT RURAL              56.0000       18.6667       12.0554       145.3333    (    3)

SEX                         1.   MALE                  84920.0000       32.8638       12.5756       158.1456    ( 2584)
   AREA                    11.   NE LARGE              16297.0000       31.2802       12.6878       160.9790    (  521)
   AREA                    12.   NE MEDIUM              9123.0000       36.4920       12.7520       162.6124    (  250)
   AREA                    13.   NE SMALL               4180.0000       32.4031       12.0270       144.6487    (  129)
   AREA                    21.   NCENT LARGE           12017.0000       32.9233       12.2416       149.8567    (  365)
   AREA                    22.   NCENT MEDIUM          12336.0000       38.1920       12.6152       159.1432    (  323)
   AREA                    24.   NCENT RURAL            4591.0000       37.3252       12.0698       145.6803    (  123)
   AREA                    31.   SOUTH LARGE            7337.0000       27.0738        9.0616        82.1131    (  271)
   AREA                    32.   SOUTH MEDIUM           2425.0000       28.8690        8.8178        77.7537    (   84)
   AREA                    33.   SOUTH SMALL            3159.0000       31.9091       13.9526       194.6753    (   99)
   AREA                    34.   SOUTH RURAL             966.0000       24.1500       11.9798       143.5154    (   40)
   AREA                    41.   WEST LARGE             2368.0000       37.5873       15.2078       231.2785    (   63)
   AREA                    42.   WEST MEDIUM            5952.0000       33.0667       12.0556       145.3363    (  180)
   AREA                    43.   WEST SMALL             4169.0000       30.6544       11.1165       123.5760    (  136)

SEX                         2.   FEMALE                85142.0000       33.8402       13.0263       169.6850    ( 2516)
   AREA                    11.   NE LARGE              17016.0000       31.8056       12.9746       168.3404    (  535)
   AREA                    12.   NE MEDIUM              7444.0000       35.6172       13.2130       174.5835    (  209)
   AREA                    13.   NE SMALL               5181.0000       36.2308       13.9232       193.8548    (  143)
   AREA                    21.   NCENT LARGE           11414.0000       34.7988       12.0202       144.4854    (  328)
   AREA                    22.   NCENT MEDIUM          12657.0000       39.0648       13.0405       170.0546    (  324)
   AREA                    24.   NCENT RURAL            4557.0000       38.6186       12.6179       159.2123    (  118)
   AREA                    31.   SOUTH LARGE            8256.0000       28.7666       10.3318       106.7460    (  287)
   AREA                    32.   SOUTH MEDIUM           1980.0000       29.1176        9.1318        83.3889    (   68)
   AREA                    33.   SOUTH SMALL            3122.0000       33.9348       13.9975       195.9298    (   92)
   AREA                    34.   SOUTH RURAL            1070.0000       24.3182       12.2641       150.4080    (   44)
   AREA                    41.   WEST LARGE             1970.0000       32.8333       12.3043       151.3955    (   60)
   AREA                    42.   WEST MEDIUM            6816.0000       35.6859       14.1092       199.0692    (  191)
   AREA                    43.   WEST SMALL             3659.0000       31.2735       11.4256       130.5452    (  117)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                   123551.0000       26.5473        4.4723       20.0011   (  4654)

SEX                        -99.                            496.0000       24.8000        3.7641       14.1684   (    20)
    AREA                    11.    NE LARGE                178.0000       25.4286        4.8255       23.2857   (     7)
    AREA                    21.    NCENT LARGE             274.0000       24.9091        3.2079       10.2909   (    11)
    AREA                    24.    NCENT RURAL              44.0000       22.0000        2.8284        8.0000   (     2)

SEX                          1.    MALE                  62515.0000       26.3888        4.3282       18.7335   (  2369)
    AREA                    11.    NE LARGE              11052.0000       26.1277        4.6368       21.5003   (   423)
    AREA                    12.    NE MEDIUM              6358.0000       26.8270        4.3433       18.8640   (   237)
    AREA                    13.    NE SMALL               3228.0000       26.6777        3.7086       13.7536   (   121)
    AREA                    21.    NCENT LARGE            9257.0000       26.6772        4.1167       16.9475   (   347)
    AREA                    22.    NCENT MEDIUM           8525.0000       27.5000        4.6930       22.0243   (   310)
    AREA                    24.    NCENT RURAL            3290.0000       27.1901        4.3919       19.2886   (   121)
    AREA                    31.    SOUTH LARGE            6043.0000       24.0757        2.9295        8.5822   (   251)
    AREA                    32.    SOUTH MEDIUM           2105.0000       25.3614        3.4732       12.0629   (    83)
    AREA                    33.    SOUTH SMALL            2500.0000       26.3158        4.0719       16.5801   (    95)
    AREA                    34.    SOUTH RURAL             601.0000       25.0417        4.3986       19.3460   (    24)
    AREA                    41.    WEST LARGE             1757.0000       27.8889        5.8313       34.0036   (    63)
    AREA                    42.    WEST MEDIUM            4432.0000       26.6988        4.1611       17.3148   (   166)
    AREA                    43.    WEST SMALL             3367.0000       26.3047        3.8588       14.8907   (   128)

SEX                          2.    FEMALE                60540.0000       26.7285        4.6160       21.3074   (  2265)
    AREA                    11.    NE LARGE              11262.0000       26.0694        4.4706       19.9859   (   432)
    AREA                    12.    NE MEDIUM              5165.0000       27.0419        5.1430       26.4509   (   191)
    AREA                    13.    NE SMALL               3746.0000       27.9552        4.8957       23.9679   (   134)
    AREA                    21.    NCENT LARGE            8333.0000       26.7942        4.6053       21.2091   (   311)
    AREA                    22.    NCENT MEDIUM           8668.0000       27.9613        4.9054       24.0632   (   310)
    AREA                    24.    NCENT RURAL            3182.0000       27.6696        4.5667       20.8549   (   115)
    AREA                    31.    SOUTH LARGE            6321.0000       24.6914        3.3258       11.0613   (   256)
    AREA                    32.    SOUTH MEDIUM           1723.0000       25.3382        3.1272        9.7796   (    68)
    AREA                    33.    SOUTH SMALL            2285.0000       27.2024        4.2306       17.8983   (    84)
    AREA                    34.    SOUTH RURAL             512.0000       26.9474        4.6004       21.1637   (    19)
    AREA                    41.    WEST LARGE             1492.0000       26.1754        3.8365       14.7187   (    57)
    AREA                    42.    WEST MEDIUM            5015.0000       27.8611        5.4309       29.4946   (   180)
    AREA                    43.    WEST SMALL             2836.0000       26.2593        3.2219       10.3808   (   108)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

440

A-4-147

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                     119208.0000       25.6141      4.5696       20.8813    ( 4654)

SEX                        -99.                              521.0000       26.0500      3.0689        9.4184    (   20)
   AREA                     11.   NE LARGE                   190.0000       27.1429      2.9681        8.8095    (    7)
   AREA                     21.   NCENT LARGE                285.0000       25.9091      3.1130        9.6909    (   11)
   AREA                     24.   NCENT RURAL                 46.0000       23.0000      1.4142        2.0000    (    2)

SEX                          1.   MALE                     59974.0000       25.3162      4.5596       20.7898    ( 2369)
   AREA                     11.   NE LARGE                 10913.0000       25.7991      4.6742       21.8482    (  423)
   AREA                     12.   NE MEDIUM                 6285.0000       26.5190      4.2721       18.2507    (  237)
   AREA                     13.   NE SMALL                  3011.0000       24.8843      4.5684       20.8698    (  121)
   AREA                     21.   NCENT LARGE               8748.0000       25.2104      4.4409       19.7215    (  347)
   AREA                     22.   NCENT MEDIUM              8182.0000       26.3935      4.3637       19.0420    (  310)
   AREA                     24.   NCENT RURAL               3134.0000       25.9008      4.4355       19.6734    (  121)
   AREA                     31.   SOUTH LARGE               5870.0000       23.3865      4.1277       17.0381    (  251)
   AREA                     32.   SOUTH MEDIUM              1960.0000       23.6145      4.2651       18.1910    (   83)
   AREA                     33.   SOUTH SMALL               2310.0000       24.3158      4.6614       21.7290    (   95)
   AREA                     34.   SOUTH RURAL                559.0000       23.2917      4.6577       21.6938    (   24)
   AREA                     41.   WEST LARGE                1689.0000       26.8095      5.4384       29.5760    (   63)
   AREA                     42.   WEST MEDIUM               4222.0000       25.4337      4.0592       16.4774    (  166)
   AREA                     43.   WEST SMALL                3091.0000       24.1484      4.6365       21.4975    (  128)

SEX                          2.   FEMALE                   58713.0000       25.9219      4.5719       20.9025    ( 2265)
   AREA                     11.   NE LARGE                 11270.0000       26.0880      4.2154       17.7695    (  432)
   AREA                     12.   NE MEDIUM                 5086.0000       26.6283      4.4866       20.1295    (  191)
   AREA                     13.   NE SMALL                  3548.0000       26.4776      5.0720       25.7251    (  134)
   AREA                     21.   NCENT LARGE               8104.0000       26.0579      4.2778       18.2999    (  311)
   AREA                     22.   NCENT MEDIUM              8357.0000       26.9581      4.7665       22.7199    (  310)
   AREA                     24.   NCENT RURAL               3041.0000       26.4435      4.6268       21.4069    (  115)
   AREA                     31.   SOUTH LARGE               6207.0000       24.2461      4.1119       16.9078    (  256)
   AREA                     32.   SOUTH MEDIUM              1627.0000       23.9265      4.2438       18.0094    (   68)
   AREA                     33.   SOUTH SMALL               2158.0000       25.6905      4.8594       23.6139    (   84)
   AREA                     34.   SOUTH RURAL                487.0000       25.6316      4.2454       18.0234    (   19)
   AREA                     41.   WEST LARGE                1455.0000       25.5263      4.0316       16.2539    (   57)
   AREA                     42.   WEST MEDIUM               4703.0000       26.1278      5.0782       25.7881    (  180)
   AREA                     43.   WEST SMALL                2670.0000       24.7222      4.6056       21.2118    (  108)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

A-4-148

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMMA      STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   SEX         SEX OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE           CODE      VALUE LABEL              SUM           MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                 105590.0000      22.6880       6.5407       42.7864   (  4654)

SEX                     -99.                             457.0000      22.8500       5.5751       31.0816   (    20)
   AREA                  11.   NE LARGE                  182.0000      26.0000       6.7330       45.3333   (     7)
   AREA                  21.   NCENT LARGE               234.0000      21.2727       4.5407       20.6182   (    11)
   AREA                  24.   NCENT RURAL                41.0000      20.5000       2.1213        4.5000   (     2)

SEX                       1.   MALE                    53151.0000      22.4360       6.5519       42.9276   (  2369)
   AREA                  11.   NE LARGE                 9256.0000      21.8818       6.4481       41.5784   (   423)
   AREA                  12.   NE MEDIUM                5499.0000      23.2025       6.2424       38.9673   (   237)
   AREA                  13.   NE SMALL                 2672.0000      22.0826       6.5873       43.3931   (   121)
   AREA                  21.   NCENT LARGE              7662.0000      22.0807       5.9491       35.3923   (   347)
   AREA                  22.   NCENT MEDIUM             7868.0000      25.3806       6.7563       45.6475   (   310)
   AREA                  24.   NCENT RURAL              3115.0000      25.7438       5.9785       35.7421   (   121)
   AREA                  31.   SOUTH LARGE              4676.0000      18.6295       5.5305       30.5862   (   251)
   AREA                  32.   SOUTH MEDIUM             1654.0000      19.9277       4.6376       21.5069   (    83)
   AREA                  33.   SOUTH SMALL              2084.0000      21.9368       7.0119       49.1662   (    95)
   AREA                  34.   SOUTH RURAL               501.0000      20.8750       5.5975       31.3315   (    24)
   AREA                  41.   WEST LARGE               1443.0000      22.9048       7.9082       62.5392   (    63)
   AREA                  42.   WEST MEDIUM              3911.0000      23.5602       7.2692       52.8418   (   166)
   AREA                  43.   WEST SMALL               2810.0000      21.9531       4.7618       22.6750   (   128)

SEX                       2.   FEMALE                  51982.0000      22.9501       6.5289       42.6269   (  2265)
   AREA                  11.   NE LARGE                 9742.0000      22.5509       6.8081       46.3501   (   432)
   AREA                  12.   NE MEDIUM                4338.0000      22.7120       7.0767       50.0798   (   191)
   AREA                  13.   NE SMALL                 3133.0000      23.3806       6.1739       38.1172   (   134)
   AREA                  21.   NCENT LARGE              7151.0000      22.9936       6.1156       37.4000   (   311)
   AREA                  22.   NCENT MEDIUM             7832.0000      25.2645       6.9311       48.0398   (   310)
   AREA                  24.   NCENT RURAL              3021.0000      26.2696       5.3726       28.8653   (   115)
   AREA                  31.   SOUTH LARGE              5101.0000      19.9258       5.3091       28.1866   (   256)
   AREA                  32.   SOUTH MEDIUM             1372.0000      20.1765       4.6679       21.7893   (    68)
   AREA                  33.   SOUTH SMALL              1905.0000      22.6786       6.0533       36.6463   (    84)
   AREA                  34.   SOUTH RURAL               438.0000      23.0526       2.9150        8.4971   (    19)
   AREA                  41.   WEST LARGE               1251.0000      21.9474       6.0072       36.0865   (    57)
   AREA                  42.   WEST MEDIUM              4259.0000      23.6611       7.4197       55.0521   (   180)
   AREA                  43.   WEST SMALL               2439.0000      22.5833       4.7717       22.7687   (   108)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

441

688

687

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1RR      STAND SC 1ST GR MAT TOTAL READING
   BROKEN DOWN BY    SEX        SEX OF CHILD
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   155837.0000        37.1837      10.4335       108.8588   (  4191)

SEX                        -99.                            190.0000        31.6667       5.3914        29.0667   (     6)
   AREA                     11.    NE LARGE                190.0000        31.6667       5.3914        29.0667   (     6)
SEX                          1.    MALE                  76148.0000        36.2955      10.4363       108.9149   (  2098)
   AREA                     11.    NE LARGE              25539.0000        34.6526      10.2995       106.0803   (   737)
   AREA                     12.    NE MEDIUM              6370.0000        37.0349       8.8799        78.8526   (   172)
   AREA                     13.    NE SMALL               2983.0000        38.7403       9.7891        95.8264   (    77)
   AREA                     21.    NCENT LARGE            5643.0000        37.3709      10.4190       108.5549   (   151)
   AREA                     22.    NCENT MEDIUM           8399.0000        40.5749      10.7646       115.8766   (   207)
   AREA                     24.    NCENT RURAL            5232.0000        41.8560      10.6496       113.4146   (   125)
   AREA                     31.    SOUTH LARGE            3576.0000        29.5537       6.7650        45.7658   (   121)
   AREA                     33.    SOUTH SMALL            3266.0000        44.1351      11.3937       129.8171   (    74)
   AREA                     34.    SOUTH RURAL            2319.0000        35.6769       8.5643        73.3471   (    65)
   AREA                     41.    WEST LARGE             6782.0000        35.8836      10.8607       117.9545   (   189)
   AREA                     42.    WEST MEDIUM            2641.0000        35.6892       8.6720        75.2034   (    74)
   AREA                     43.    WEST SMALL             3398.0000        32.0566       7.3041        53.3491   (   106)

SEX                          2.    FEMALE                79499.0000        38.0925      10.3629       107.3889   (  2087)
   AREA                     11.    NE LARGE              28200.0000        36.9110       9.6444        93.0143   (   764)
   AREA                     12.    NE MEDIUM              5900.0000        38.0645      10.0690       101.3954   (   155)
   AREA                     13.    NE SMALL               3577.0000        40.1910       9.7955        95.9517   (    89)
   AREA                     21.    NCENT LARGE            5100.0000        39.5349      11.8355       140.0789   (   129)
   AREA                     22.    NCENT MEDIUM           8697.0000        42.2184      10.6993       114.4740   (   206)
   AREA                     24.    NCENT RURAL            5248.0000        46.8571      10.4328       108.8443   (   112)
   AREA                     31.    SOUTH LARGE            4050.0000        31.6406       7.1900        51.6966   (   128)
   AREA                     33.    SOUTH SMALL            3555.0000        44.4375      12.3461       152.4264   (    80)
   AREA                     34.    SOUTH RURAL            2123.0000        35.9831       6.7836        46.0169   (    59)
   AREA                     41.    WEST LARGE             7126.0000        35.8090       8.3002        68.8926   (   199)
   AREA                     42.    WEST MEDIUM            2461.0000        40.3443      11.7372       137.7628   (    61)
   AREA                     43.    WEST SMALL             3462.0000        32.9714       7.3215        53.6049   (   105)

  TOTAL CASES =    12996
 MISSING CASES =    8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   S51MMA     STAND SC 1ST GR MAT TOTAL MATH
   BROKEN DOWN BY    SEX        SEX OF CHILD
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE                CODE     VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                       153729.0000       36.6807     11.7979      139.1911    ( 4191)

SEX                         -99.                               222.0000       37.0000      8.0747       65.2000    (    6)
  AREA                       11.     NE LARGE                  222.0000       37.0000      8.0747       65.2000    (    6)

SEX                          1.      MALE                    76555.0000       36.4895     12.0224      144.5390    ( 2098)
  AREA                       11.     NE LARGE                26840.0000       36.4179     12.2749      150.6729    (  737)
  AREA                       12.     NE MEDIUM                6218.0000       36.1512     12.0438      145.0530    (  172)
  AREA                       13.     NE SMALL                 3006.0000       39.0390     10.4194      108.5643    (   77)
  AREA                       21.     NCENT LARGE              5341.0000       35.3709     13.0637      170.6615    (  151)
  AREA                       22.     NCENT MEDIUM             8189.0000       39.5604     10.1218      102.4514    (  207)
  AREA                       24.     NCENT RURAL              5621.0000       44.9680     12.9925      168.8054    (  125)
  AREA                       31.     SOUTH LARGE              3364.0000       27.8017      9.5434       91.0770    (  121)
  AREA                       33.     SOUTH SMALL              3063.0000       41.3919     10.8991      118.7895    (   74)
  AREA                       34.     SOUTH RURAL              2107.0000       32.4154      9.3255       86.9654    (   65)
  AREA                       41.     WEST LARGE               6690.0000       35.3968     11.4505      131.1130    (  189)
  AREA                       42.     WEST MEDIUM              2686.0000       36.2973     10.8410      117.5268    (   74)
  AREA                       43.     WEST SMALL               3430.0000       32.3585      8.4168       70.8417    (  106)

SEX                          2.      FEMALE                  76952.0000       36.8721     11.5781      134.0522    ( 2087)
  AREA                       11.     NE LARGE                28856.0000       37.7696     12.5578      157.6978    (  764)
  AREA                       12.     NE MEDIUM                5349.0000       34.5097      9.3679       87.7580    (  155)
  AREA                       13.     NE SMALL                 3551.0000       39.8989     10.5798      111.9329    (   89)
  AREA                       21.     NCENT LARGE              4657.0000       36.1008     11.9163      141.9976    (  129)
  AREA                       22.     NCENT MEDIUM             8097.0000       39.3058     10.0296      100.5938    (  206)
  AREA                       24.     NCENT RURAL              5233.0000       46.7232     11.5542      133.4993    (  112)
  AREA                       31.     SOUTH LARGE              3643.0000       28.4609      8.1075       65.7307    (  128)
  AREA                       33.     SOUTH SMALL              3181.0000       39.7625     10.9304      119.4745    (   80)
  AREA                       34.     SOUTH RURAL              1833.0000       31.0678      7.7167       59.5470    (   59)
  AREA                       41.     WEST LARGE               6626.0000       33.2965      8.4792       71.8965    (  199)
  AREA                       42.     WEST MEDIUM              2468.0000       40.4590     11.9228      142.1525    (   61)
  AREA                       43.     WEST SMALL               3458.0000       32.9333      8.3162       69.1590    (  105)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

444

A-4-151

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR      STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  145960.0000       48.7346       14.9501      223.5050   (  2995)

SEX                         1.  MALE                    68884.0000       47.1163       15.5916      243.0980   (  1462)
   AREA                    11.  NE LARGE                22189.0000       45.0996       15.0792      227.3811   (   492)
   AREA                    12.  NE MEDIUM                5539.0000       49.0177       14.3041      204.6068   (   113)
   AREA                    13.  NE SMALL                 4943.0000       49.9293       16.7583      280.8419   (    99)
   AREA                    21.  NCENT LARGE              5913.0000       48.0732       16.0492      257.5766   (   123)
   AREA                    22.  NCENT MEDIUM             7577.0000       51.8973       12.3901      153.5135   (   146)
   AREA                    24.  NCENT RURAL              5980.0000       52.9204       11.6098      134.7882   (   113)
   AREA                    31.  SOUTH LARGE              3493.0000       33.9126       16.4996      272.2374   (   103)
   AREA                    33.  SOUTH SMALL              4813.0000       54.0787       15.8911      252.5278   (    89)
   AREA                    34.  SOUTH RURAL               700.0000       41.1765       12.8366      164.7794   (    17)
   AREA                    41.  WEST LARGE                952.0000       52.8889       16.5134      272.6928   (    18)
   AREA                    42.  WEST MEDIUM              3543.0000       49.2083       14.8949      221.8574   (    72)
   AREA                    43.  WEST SMALL               3242.0000       42.1039       14.1045      198.9364   (    77)

SEX                         2.  FEMALE                  77076.0000       50.2779       14.1451      200.0833   (  1533)
   AREA                    11.  NE LARGE                24732.0000       47.6532       13.7893      190.1459   (   519)
   AREA                    12.  NE MEDIUM                5550.0000       52.3585       13.5149      182.6512   (   106)
   AREA                    13.  NE SMALL                 7190.0000       54.8855       11.9097      141.8406   (   131)
   AREA                    21.  NCENT LARGE              5935.0000       47.8629       15.6254      244.1519   (   124)
   AREA                    22.  NCENT MEDIUM             7614.0000       53.6197       12.5815      158.2961   (   142)
   AREA                    24.  NCENT RURAL              6811.0000       56.7583       10.8883      118.5546   (   120)
   AREA                    31.  SOUTH LARGE              4285.0000       40.8095       13.0385      170.0018   (   105)
   AREA                    33.  SOUTH SMALL              5539.0000       59.5591       13.5738      184.2492   (    93)
   AREA                    34.  SOUTH RURAL               969.0000       46.1429       12.9007      166.4286   (    21)
   AREA                    41.  WEST LARGE                902.0000       53.0588       10.9229      119.3088   (    17)
   AREA                    42.  WEST MEDIUM              4201.0000       51.2317       16.3392      266.9703   (    82)
   AREA                    43.  WEST SMALL               3348.0000       45.8630       11.1097      123.4254   (    73)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR   77.0 PCT.
```

A-4-152

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
    BROKEN DOWN BY   SEX        SEX OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
-------------------------------------------------------------------------------------------

    VARIABLE             CODE     VALUE LABEL              SUM           MEAN      STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                 153133.0000       51.1295     11.2374      126.2791    (  2995)

SEX                        1.   MALE                   74560.0000       50.9986     11.6459      135.6277    (  1462)
   AREA                   11.   NE LARGE               23893.0000       48.5630     10.8949      118.6987    (   492)
   AREA                   12.   NE MEDIUM               5774.0000       51.0973     12.3686      152.9915    (   113)
   AREA                   13.   NE SMALL                5329.0000       53.8283     13.0697      170.8172    (    99)
   AREA                   21.   NCENT LARGE             6212.0000       50.5041     11.9517      142.8422    (   123)
   AREA                   22.   NCENT MEDIUM            7904.0000       54.1370     10.1524      103.0708    (   146)
   AREA                   24.   NCENT RURAL             6472.0000       57.2743     11.3494      128.8080    (   113)
   AREA                   31.   SOUTH LARGE             4290.0000       41.6505      8.4212       70.9159    (   103)
   AREA                   33.   SOUTH SMALL             5238.0000       58.8539     10.3831      107.8080    (    89)
   AREA                   34.   SOUTH RURAL              759.0000       44.6471      9.5390       90.9926    (    17)
   AREA                   41.   WEST LARGE               960.0000       53.3333     13.5777      184.3529    (    18)
   AREA                   42.   WEST MEDIUM             3960.0000       55.0000      9.2767       86.0563    (    72)
   AREA                   43.   WEST SMALL              3769.0000       48.9481      8.4244       70.9710    (    77)

SEX                        2.   FEMALE                 78573.0000       51.2544     10.8358      117.4143    (  1533)
   AREA                   11.   NE LARGE               25547.0000       49.2235     10.1346      102.7106    (   519)
   AREA                   12.   NE MEDIUM               5383.0000       50.7830     11.1782      124.9525    (   106)
   AREA                   13.   NE SMALL                7144.0000       54.5344     11.1744      124.8661    (   131)
   AREA                   21.   NCENT LARGE             6296.0000       50.7742     11.2343      126.2088    (   124)
   AREA                   22.   NCENT MEDIUM            7645.0000       53.8380     10.4302      108.7892    (   142)
   AREA                   24.   NCENT RURAL             6859.0000       57.1583     10.9360      119.5946    (   120)
   AREA                   31.   SOUTH LARGE             4608.0000       43.8857      8.1339       66.1599    (   105)
   AREA                   33.   SOUTH SMALL             5321.0000       57.2151     10.1712      103.4532    (    93)
   AREA                   34.   SOUTH RURAL              966.0000       46.0000      9.3327       87.1000    (    21)
   AREA                   41.   WEST LARGE               816.0000       48.0000      8.1548       66.5000    (    17)
   AREA                   42.   WEST MEDIUM             4362.0000       53.1951     10.6463      113.3442    (    82)
   AREA                   43.   WEST SMALL              3626.0000       49.6712      8.2092       67.3984    (    73)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

446

A-4-153

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    SEX         SEX OF CHILD
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE              CODE    VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    226369.0000        57.4395        13.2861       176.5195    (  3941)

SEX                         1.   MALE                    108998.0000        56.7107        13.5697       184.1359    (  1922)
   AREA                    11.   NE LARGE                 22294.0000        54.2433        12.0120       144.2870    (   411)
   AREA                    12.   NE MEDIUM                10111.0000        57.7771        11.6930       136.7259    (   175)
   AREA                    13.   NE SMALL                  3824.0000        60.6984        14.0937       198.6334    (    63)
   AREA                    21.   NCENT LARGE               7861.0000        54.9720        13.9934       195.8161    (   143)
   AREA                    22.   NCENT MEDIUM             11835.0000        61.0052        12.7171       161.7254    (   194)
   AREA                    24.   NCENT RURAL              11072.0000        64.0000        13.3430       178.0349    (   173)
   AREA                    31.   SOUTH LARGE               9518.0000        45.7596        11.1866       125.1400    (   208)
   AREA                    33.   SOUTH SMALL               6323.0000        64.5204        13.3380       177.9016    (    98)
   AREA                    34.   SOUTH RURAL               3396.0000        52.2462         9.7581        95.2197    (    65)
   AREA                    41.   WEST LARGE                4769.0000        56.7738        12.7962       163.7434    (    84)
   AREA                    42.   WEST MEDIUM               8439.0000        59.8511        12.9046       166.5277    (   141)
   AREA                    43.   WEST SMALL                5070.0000        50.7000        11.1115       123.4646    (   100)
   AREA                    44.   WEST RURAL                4486.0000        66.9552        11.8583       140.6192    (    67)

SEX                         2.   FEMALE                  117371.0000        58.1332        12.9757       168.3693    (  2019)
   AREA                    11.   NE LARGE                 23099.0000        54.6076        10.9214       119.2769    (   423)
   AREA                    12.   NE MEDIUM                10000.0000        59.5238        12.6822       160.8378    (   168)
   AREA                    13.   NE SMALL                  5989.0000        62.3854        13.9453       194.4709    (    96)
   AREA                    21.   NCENT LARGE               9204.0000        55.7818        12.9158       166.8180    (   165)
   AREA                    22.   NCENT MEDIUM             11202.0000        61.2131        13.5510       183.6302    (   183)
   AREA                    24.   NCENT RURAL              11384.0000        66.9647        11.8236       139.7976    (   170)
   AREA                    31.   SOUTH LARGE              11188.0000        49.0702        10.8475       117.6691    (   228)
   AREA                    33.   SOUTH SMALL               6794.0000        65.9612        10.5393       111.0769    (   103)
   AREA                    34.   SOUTH RURAL               3759.0000        54.4783         7.9254        62.8120    (    69)
   AREA                    41.   WEST LARGE                5331.0000        55.5313        11.0862       122.9043    (    96)
   AREA                    42.   WEST MEDIUM               9382.0000        61.3203        12.5077       156.4420    (   153)
   AREA                    43.   WEST SMALL                4896.0000        55.0112        10.3270       106.6476    (    89)
   AREA                    44.   WEST RURAL                5143.0000        67.6711        13.3520       178.2770    (    76)

  TOTAL CASES =   12996
MISSING CASES =    9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY    SEX        SEX OF CHILD
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  249263,0000       63.2487        12.9306      167,2006    (  3941)

SEX                         1.    MALE                  120896,0000       62.9011        13.2342      175,1448    (  1922)
   AREA                    11.    NE LARGE               24541,0000       59.7105        12.3542      152,6257    (   411)
   AREA                    12.    NE MEDIUM              11428,0000       65.3029        13.0346      169,9020    (   175)
   AREA                    13.    NE SMALL                4094,0000       64.9841        14.1324      199,7256    (    63)
   AREA                    21.    NCENT LARGE             8718,0000       60.9650        12.2391      149,7945    (   143)
   AREA                    22.    NCENT MEDIUM           13223,0000       68.1598        12.0500      145,2023    (   194)
   AREA                    24.    NCENT RURAL            12253,0000       70.8266        10.7749      116,0977    (   173)
   AREA                    31.    SOUTH LARGE            10966,0000       52.7212        10.2777      105,6320    (   208)
   AREA                    33.    SOUTH SMALL             7008,0000       71.5102        11.4983      132,2112    (    98)
   AREA                    34.    SOUTH RURAL             3835,0000       59.0000        10.5815      111,9688    (    65)
   AREA                    41.    WEST LARGE              5140,0000       61.1905        13.0850      171,2163    (    84)
   AREA                    42.    WEST MEDIUM             9017,0000       63.9504        13.2823      176,4149    (   141)
   AREA                    43.    WEST SMALL              5797,0000       57.9700        10.2489      105,0395    (   100)
   AREA                    44.    WEST RURAL              4876,0000       72.7761        12.3666      152,9340    (    67)

SEX                         2.    FEMALE                128367,0000       63.5795        12.6292      159,4945    (  2019)
   AREA                    11.    NE LARGE               25750,0000       60.8747        11.3666      129,1999    (   423)
   AREA                    12.    NE MEDIUM              10958,0000       65.2262        13.2030      174,3198    (   168)
   AREA                    13.    NE SMALL                6238,0000       64.9792        13.5429      183,4191    (    96)
   AREA                    21.    NCENT LARGE             9964,0000       60.3879        12.0389      144,9340    (   165)
   AREA                    22.    NCENT MEDIUM           12290,0000       67.1585        11.4509      131,1231    (   183)
   AREA                    24.    NCENT RURAL            12253,0000       72.0765        10.2415      104,8876    (   170)
   AREA                    31.    SOUTH LARGE            12634,0000       55.4123         9.5112       90,4636    (   228)
   AREA                    33.    SOUTH SMALL             7492,0000       72.7379        11.7189      137,3326    (   103)
   AREA                    34.    SOUTH RURAL             4210,0000       61.0145        10.9578      120,0733    (    69)
   AREA                    41.    WEST LARGE              5928,0000       61.7500        10.9063      118,9474    (    96)
   AREA                    42.    WEST MEDIUM             9843,0000       64.3333        13.2352      175,1711    (   153)
   AREA                    43.    WEST SMALL              5256,0000       59.0562        11.5447      133,2909    (    89)
   AREA                    44.    WEST RURAL              5551,0000       73.0395        11.3812      129,5318    (    76)

  TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                   250957.0000       28.2577        13.0889       171.3195    (  8881)

AGE                       -99.                            1422.0000       23.7000        13.4924       182.0441    (    60)
   AREA                    11.   NE LARGE                  978.0000       23.2857        13.1896       173.9652    (    42)
   AREA                    12.   NE MEDIUM                  52.0000       17.3333         7.5719        57.3333    (     3)
   AREA                    13.   NE SMALL                   76.0000       38.0000         8.4853        72.0000    (     2)
   AREA                    21.   NCENT LARGE               116.0000       23.2000        17.8241       317.7000    (     5)
   AREA                    22.   NCENT MEDIUM               10.0000       10.0000              0              0    (     1)
   AREA                    31.   SOUTH LARGE                      0             0              0              0    (     1)
   AREA                    41.   WEST LARGE                 70.0000       35.0000        15.5563       242.0000    (     2)
   AREA                    42.   WEST MEDIUM                32.0000       32.0000              0              0    (     1)
   AREA                    43.   WEST SMALL                 88.0000       29.3333        10.0167       100.3333    (     3)

AGE                         8.   FOUR                      193.0000       27.5714        11.4143       130.2857    (     7)
   AREA                    11.   NE LARGE                  133.0000       26.6000         9.6592        93.3000    (     5)
   AREA                    22.   NCENT MEDIUM               16.0000       16.0000              0              0    (     1)
   AREA                    31.   SOUTH LARGE                44.0000       44.0000              0              0    (     1)

AGE                         9.   FOUR AND ONE HALF        3271.0000       23.5324        10.8041       116.7290    (   139)
   AREA                    11.   NE LARGE                 2684.0000       22.9402        10.4636       109.4878    (   117)
   AREA                    12.   NE MEDIUM                 297.0000       29.7000         9.8438        96.9000    (    10)
   AREA                    13.   NE SMALL                  123.0000       30.7500        10.1448       102.9167    (     4)
   AREA                    21.   NCENT LARGE                76.0000       19.0000        15.8114       250.0000    (     4)
   AREA                    22.   NCENT MEDIUM               14.0000       14.0000              0              0    (     1)
   AREA                    31.   SOUTH LARGE                31.0000       15.5000         6.3640        40.5000    (     2)
   AREA                    41.   WEST LARGE                 46.0000       46.0000              0              0    (     1)

AGE                        10.   FIVE                    86579.0000       25.4345        12.2142       149.1879    (  3404)
   AREA                    11.   NE LARGE                30758.0000       25.8037        11.9241       142.1831    (  1192)
   AREA                    12.   NE MEDIUM                7487.0000       26.4558        11.8433       140.2631    (   283)
   AREA                    13.   NE SMALL                 3964.0000       28.5180        13.2798       176.3529    (   139)
   AREA                    21.   NCENT LARGE              8175.0000       24.4760        12.0049       144.1180    (   334)
   AREA                    22.   NCENT MEDIUM             7478.0000       27.4926        13.3048       177.0184    (   272)
   AREA                    24.   NCENT RURAL              2812.0000       27.5686        12.6299       159.5150    (   102)
   AREA                    31.   SOUTH LARGE              6103.0000       18.2179         9.7267        94.6081    (   335)
   AREA                    33.   SOUTH SMALL              2229.0000       23.4632        11.6261       135.1662    (    95)
   AREA                    34.   SOUTH RURAL              1675.0000       21.7532         8.7256        76.1357    (    77)
   AREA                    41.   WEST LARGE               7400.0000       29.1339        11.8501       140.4247    (   254)
   AREA                    42.   WEST MEDIUM              3722.0000       26.3972        12.2229       149.3983    (   141)
   AREA                    43.   WEST SMALL               3473.0000       23.9517        11.5538       133.4907    (   145)
   AREA                    44.   WEST RURAL               1303.0000       37.2286        12.4477       154.9462    (    35)

AGE                        11.   FIVE AND ONE HALF      120701.0000       29.5546        13.1193       172.1153    (  4084)
   AREA                    11.   NE LARGE                31167.0000       30.9811        13.1166       172.0464    (  1006)
```

A-4-155 (cont.)

```
   VARIABLE                 CODE   VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE         N

     AREA                     12.  NE MEDIUM              9969.0000       29.4941      13.5888      184.6543     (   338)
     AREA                     13.  NE SMALL               4423.0000,      31.5929      14.4022      207.4230     (   140)
     AREA                     21.  NCENT LARGE           15112.0000       28.6755      12.2499      150.0599     (   527)
     AREA                     22.  NCENT MEDIUM          13057.0000       30.7224      12.5169      156.6727     (   425)
     AREA                     24.  NCENT RURAL            6077.0000       31.3247      14.4392      208.4899     (   194)
     AREA                     31.  SOUTH LARGE            9369.0000       22.5216      11.4203      130.4236     (   416)
     AREA                     33.  SOUTH SMALL            3572.0000       31.3333      13.5337      183.1622     (   114)
     AREA                     34.  SOUTH RURAL            1868.0000       21.7209      11.7340      137.6859     (    86)
     AREA                     41.  WEST LARGE            10031.0000       32.8885      12.4879      155.9481     (   305)
     AREA                     42.  WEST MEDIUM            8176.0000       29.6232      12.8237      164.4466     (   276)
     AREA                     43.  WEST SMALL             5971.0000       29.1268      12.3314      152.0623     (   205)
     AREA                     44.  WEST RURAL             1909.0000       36.7115      11.2639      126.8759     (    52)

  AGE                         12.  SIX                   35732.0000       33.1773      13.7398      188.7817     (  1077)
     AREA                     11.  NE LARGE                279.0000       18.6000       9.6939       93.9714     (    15)
     AREA                     12.  NE MEDIUM               988.0000       24.7000      10.2387      104.8308     (    40)
     AREA                     13.  NE SMALL               1017.0000       28.2500      13.0217      169.5643     (    36)
     AREA                     21.  NCENT LARGE            7930.0000       32.9046      14.4050      207.5034     (   241)
     AREA                     22.  NCENT MEDIUM           6448.0000       37.9294      13.3477      178.1607     (   170)
     AREA                     24.  NCENT RURAL            4482.0000       37.3500      13.8913      192.9689     (   120)
     AREA                     31.  SOUTH LARGE            2745.0000       24.5089      10.1848      103.7296     (   112)
     AREA                     33.  SOUTH SMALL             575.0000       33.8235      13.3334      177.7794     (    17)
     AREA                     34.  SOUTH RURAL             857.0000       27.6452      11.4296      130.6366     (    31)
     AREA                     41.  WEST LARGE             2456.0000       35.0857      13.1024      171.6737     (    70)
     AREA                     42.  WEST MEDIUM            4572.0000       36.8710      12.1849      148.4710     (   124)
     AREA                     43.  WEST SMALL             1809.0000       28.2656      12.2930      151.1188     (    64)
     AREA                     44.  WEST RURAL             1574.0000       42.5405       7.4966       56.1997     (    37)

  AGE                         13.  SIX AND ONE HALF       2721.0000       27.4848      11.8987      141.5788     (    99)
     AREA                     11.  NE LARGE                150.0000       21.4286       7.8921       62.2857     (     7)
     AREA                     12.  NE MEDIUM               179.0000       22.3750      11.6489      135.6964     (     8)
     AREA                     13.  NE SMALL                153.0000       25.5000       9.8742       97.5000     (     6)
     AREA                     21.  NCENT LARGE             622.0000       28.2727      12.0087      144.2078     (    22)
     AREA                     22.  NCENT MEDIUM            395.0000       30.3846      13.4322      180.4231     (    13)
     AREA                     24.  NCENT RURAL             328.0000       36.4444      13.4268      180.2778     (     9)
     AREA                     31.  SOUTH LARGE             219.0000       27.3750      10.3914      107.9821     (     8)
     AREA                     33.  SOUTH SMALL              78.0000       26.0000       5.2915       28.0000     (     3)
     AREA                     34.  SOUTH RURAL              22.0000       22.0000            0             0     (     1)
     AREA                     41.  WEST LARGE              218.0000       36.3333      10.6521      113.4667     (     6)
     AREA                     42.  WEST MEDIUM             267.0000       26.7000      10.5730      111.7889     (    10)
     AREA                     43.  WEST SMALL               90.0000       15.0000       7.2111       52.0000     (     6)

  AGE                         14.  SEVEN                   189.0000       31.5000       7.8422       61.5000     (     6)
     AREA                     12.  NE MEDIUM                30.0000       30.0000            0             0     (     1)
     AREA                     21.  NCENT LARGE              23.0000       23.0000            0             0     (     1)
     AREA                     22.  NCENT MEDIUM             32.0000       32.0000            0             0     (     1)
     AREA                     24.  NCENT RURAL              36.0000       36.0000            0             0     (     1)
     AREA                     31.  SOUTH LARGE              68.0000       34.0000      14.1421      200.0000     (     2)

  AGE                         15.  SEVEN AND ONE HALF      130.0000       32.5000      20.3388      413.6667     (     4)
     AREA                     21.  NCENT LARGE              37.0000       37.0000            0             0     (     1)
     AREA                     24.  NCENT RURAL               5.0000        5.0000            0             0     (     1)
```

A-4-155 (cont.)

```
  VARIABLE             CODE   VALUE LABEL              SUM          MEAN        STD DEV      VARIANCE       N

   AREA                  31.  SOUTH LARGE            88.0000      44.0000      14.1421      200.0000   (     2)

AGE                      16.  EIGHT                  19.0000      19.0000            0             0   (     1)
   AREA                  31.  SOUTH LARGE            19.0000      19.0000            0             0   (     1)

  TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

A-4-156

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW       SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   AGE       AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE    VALUE LABEL                 SUM            MEAN          STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                   170730.0000        33.3327         12.8089        164.0674    (  5122)

AGE                        -99.                           1617.0000        27.8793         10.8241        117.1606    (    58)
    AREA                    11.   NE LARGE                 834.0000        28.7586         11.1633        124.6182    (    29)
    AREA                    12.   NE MEDIUM                115.0000        28.7500         12.1209        146.9167    (     4)
    AREA                    21.   NCENT LARGE              361.0000        25.7857          9.9706         99.4121    (    14)
    AREA                    22.   NCENT MEDIUM              58.0000        29.0000          5.6569         32.0000    (     2)
    AREA                    24.   NCENT RURAL               56.0000        18.6667         12.0554        145.3333    (     3)
    AREA                    32.   SOUTH MEDIUM              45.0000        22.5000           .7071           .5000    (     2)
    AREA                    33.   SOUTH SMALL               35.0000        35.0000               0               0    (     1)
    AREA                    42.   WEST MEDIUM               42.0000        42.0000               0               0    (     1)
    AREA                    43.   WEST SMALL                71.0000        35.5000         19.0919        364.5000    (     2)

AGE                          8.   FOUR                     129.0000        25.8000.         7.1903         51.7000    (     5)
    AREA                    11.   NE LARGE                  52.0000        26.0000          4.2426         18.0000    (     2)
    AREA                    31.   SOUTH LARGE               34.0000        34.0000               0               0    (     1)
    AREA                    32.   SOUTH MEDIUM              15.0000        15.0000               0               0    (     1)
    AREA                    33.   SOUTH SMALL               28.0000        28.0000               0               0    (     1)

AGE                          9.   FOUR AND ONE HALF       1732.0000        27.0625          9.5000         90.2500    (    64)
    AREA                    11.   NE LARGE                1303.0000        26.0600          9.9230         98.4657    (    50)
    AREA                    12.   NE MEDIUM                201.0000        33.5000          7.8677         61.9000    (     6)
    AREA                    13.   NE SMALL                  88.0000        29.3333          7.3711         54.3333    (     3)
    AREA                    21.   NCENT LARGE               59.0000        29.5000          7.7782         60.5000    (     2)
    AREA                    22.   NCENT MEDIUM              29.0000        29.0000               0               0    (     1)
    AREA                    31.   SOUTH LARGE               21.0000        21.0000               0               0    (     1)
    AREA                    41.   WEST LARGE                31.0000        31.0000               0               0    (     1)

AGE                         10.   FIVE                   59210.0000        31.4445         11.9893        143.7433    (  1883)
    AREA                    11.   NE LARGE               15573.0000        30.8376         12.5960        158.6601    (   505)
    AREA                    12.   NE MEDIUM               6269.0000        35.6193         12.2990        151.2657    (   176)
    AREA                    13.   NE SMALL                3877.0000        33.7130         13.5295        183.0485    (   115)
    AREA                    21.   NCENT LARGE             5673.0000        31.5167          9.9919         99.8377    (   180)
    AREA                    22.   NCENT MEDIUM            7702.0000        36.3302         11.4670        131.4924    (   212)
    AREA                    24.   NCENT RURAL             2130.0000        33.2813         12.0598        145.2212    (    64)
    AREA                    31.   SOUTH LARGE             5092.0000        26.2474          9.4743         89.7623    (   194)
    AREA                    32.   SOUTH MEDIUM            2029.0000        27.4189          8.6611         75.0139    (    74)
    AREA                    33.   SOUTH SMALL             2367.0000        29.9620         12.1449        147.4985    (    79)
    AREA                    34.   SOUTH RURAL             1080.0000        22.0408         10.1056        102.1233    (    49)
    AREA                    41.   WEST LARGE              1681.0000        33.6200         12.9266        167.0976    (    50)
    AREA                    42.   WEST MEDIUM             3354.0000        32.5631         10.1321        102.6602    (   103)
    AREA                    43.   WEST SMALL              2383.0000        29.0610         10.9379        119.6382    (    82)

AGE                         11.   FIVE AND ONE HALF      80599.0000        34.2101         12.8958        166.2798    (  2356)
    AREA                    11.   NE LARGE               15411.0000        33.2134         13.2971        176.8118    (   464)
```

A-4-156 (cont.)

```
 VARIABLE            CODE   VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE          N

   AREA               12.  NE MEDIUM               8689.0000       37.7783       13.2566      175.7366    (   230)
   AREA               13.  NE SMALL                4193.0000       35.8376       13.3494      178.2062    (   117)
   AREA               21.  NCENT LARGE            10650.0000       33.8095       12.2634      150.3904    (   315)
   AREA               22.  NCENT MEDIUM           12616.0000       39.0588       13.0698      170.8195    (   323)
   AREA               24.  NCENT RURAL             4015.0000       37.1759       10.8359      117.4174    (   108)
   AREA               31.  SOUTH LARGE             7499.0000       28.2981        9.5226       90.6797    (   265)
   AREA               32.  SOUTH MEDIUM            2270.0000       31.0959        8.9025       79.2546    (    73)
   AREA               33.  SOUTH SMALL             3088.0000       33.9341       15.2686      233.1289    (    91)
   AREA               34.  SOUTH RURAL              892.0000       27.0303       13.4036      179.6553    (    33)
   AREA               41.  WEST LARGE              1860.0000       35.7692       12.8881      166.1026    (    52)
   AREA               42.  WEST MEDIUM             6055.0000       33.6389       13.2179      174.7124    (   180)
   AREA               43.  WEST SMALL              3361.0000       32.0095       11.2801      127.2403    (   105)

 AGE                  12.  SIX                    24897.0000       36.6132       13.9336      194.1462    (   680)
   AREA               11.  NE LARGE                 174.0000       29.0000       14.0428      197.2000    (     6)
   AREA               12.  NE MEDIUM               1061.0000       30.3143       12.7850      163.4571    (    35)
   AREA               13.  NE SMALL                1052.0000       32.8750       12.0797      145.9194    (    32)
   AREA               21.  NCENT LARGE             6379.0000       37.0872       13.5642      183.9865    (   172)
   AREA               22.  NCENT MEDIUM            4439.0000       42.2762       13.6695      186.8557    (   105)
   AREA               24.  NCENT RURAL             2821.0000       43.4000       13.0657      170.7125    (    65)
   AREA               31.  SOUTH LARGE             2640.0000       29.6629        9.7909       95.8624    (    89)
   AREA               32.  SOUTH MEDIUM              24.0000       24.0000             0             0    (     1)
   AREA               33.  SOUTH SMALL              743.0000       41.2778       11.8312      139.9771    (    18)
   AREA               34.  SOUTH RURAL               52.0000       52.0000             0             0    (     1)
   AREA               41.  WEST LARGE               766.0000       38.3000       19.1342      366.1158    (    20)
   AREA               42.  WEST MEDIUM             2816.0000       37.5467       15.5201      240.8728    (    75)
   AREA               43.  WEST SMALL              1930.0000       31.6393       11.5759      134.0011    (    61)

 AGE                  13.  SIX AND ONE HALF        2127.0000       33.2344       13.7469      188.9759    (    64)
   AREA               11.  NE LARGE                 166.0000       33.2000        9.7570       95.2000    (     5)
   AREA               12.  NE MEDIUM                232.0000       29.0000       13.8770      192.5714    (     8)
   AREA               13.  NE SMALL                 151.0000       30.2000        9.0664       82.2000    (     5)
   AREA               21.  NCENT LARGE              487.0000       28.6471       10.1053      102.1176    (    17)
   AREA               22.  NCENT MEDIUM             128.0000       42.6667       20.8167      433.3333    (     3)
   AREA               24.  NCENT RURAL              150.0000       50.0000        1.0000        1.0000    (     3)
   AREA               31.  SOUTH LARGE              202.0000       33.6667       14.1233      199.4667    (     6)
   AREA               32.  SOUTH MEDIUM              22.0000       22.0000             0             0    (     1)
   AREA               33.  SOUTH SMALL               20.0000       20.0000             0             0    (     1)
   AREA               34.  SOUTH RURAL               12.0000       12.0000             0             0    (     1)
   AREA               42.  WEST MEDIUM              501.0000       41.7500       16.5262      273.1136    (    12)
   AREA               43.  WEST SMALL                56.0000       28.0000        2.8284        8.0000    (     2)

 AGE                  14.  SEVEN                    330.0000       33.0000        9.3571       87.5556    (    10)
   AREA               11.  NE LARGE                  31.0000       31.0000             0             0    (     1)
   AREA               21.  NCENT LARGE              172.0000       34.4000        9.9649       99.3000    (     5)
   AREA               22.  NCENT MEDIUM              21.0000       21.0000             0             0    (     1)
   AREA               24.  NCENT RURAL               32.0000       32.0000             0             0    (     1)
   AREA               31.  SOUTH LARGE               47.0000       47.0000             0             0    (     1)
   AREA               43.  WEST SMALL                27.0000       27.0000             0             0    (     1)

 AGE                  15.  SEVEN AND ONE HALF        89.0000       44.5000       19.0919      364.5000    (     2)
   AREA               11.  NE LARGE                  31.0000       31.0000             0             0    (     1)
```

A-4-156 (cont.)

```
EDO APPENDIX TABLES                                                                     08/07/76     PAGE  182
NYONE WITH DATA
RITERION VARIABLE SKW
    VARIABLE              CODE     VALUE LABEL                 SUM          MEAN         STD DEV        VARIANCE         N

  AREA                       31.  SOUTH LARGE             58.0000       58.0000              0              0    (     1)

  TOTAL CASES =   12996
ISSING CASES =    7874 OR  60.6 PCT.
```

A-4-157

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS      STAND SC SPR KIND MAT LISTENING-SOUND
   BROKEN DOWN BY    AGE         AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE   VALUE LABEL                    SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   123551.0000       26.5473       4.4723       20.0011    (  4654)

AGE                       -99.                            1243.0000       24.8600       3.4993       12.2453    (    50)
   AREA                    11.  NE LARGE                   603.0000       25.1250       3.9044       15.2446    (    24)
   AREA                    12.  NE MEDIUM                   74.0000       24.6667       2.0817        4.3333    (     3)
   AREA                    21.  NCENT LARGE                315.0000       24.2308       3.5392       12.5256    (    13)
   AREA                    22.  NCENT MEDIUM                48.0000       24.0000       0             0         (     2)
   AREA                    24.  NCENT RURAL                 44.0000       22.0000       2.8284        8.0000    (     2)
   AREA                    32.  SOUTH MEDIUM                47.0000       23.5000        .7071         .5000    (     2)
   AREA                    33.  SOUTH SMALL                 28.0000       28.0000       0             0         (     1)
   AREA                    42.  WEST MEDIUM                 29.0000       29.0000       0             0         (     1)
   AREA                    43.  WEST SMALL                  55.0000       27.5000       3.5355       12.5000    (     2)

AGE                         8.  FOUR                       129.0000       25.8000       1.9235        3.7000    (     5)
   AREA                    11.  NE LARGE                    50.0000       25.0000       1.4142        2.0000    (     2)
   AREA                    31.  SOUTH LARGE                 29.0000       29.0000       0             0         (     1)
   AREA                    32.  SOUTH MEDIUM                25.0000       25.0000       0             0         (     1)
   AREA                    33.  SOUTH SMALL                 25.0000       25.0000       0             0         (     1)

AGE                         9.  FOUR AND ONE HALF         1257.0000       24.1731       3.4512       11.9186    (    52)
   AREA                    11.  NE LARGE                   927.0000       23.7692       3.4828       12.1296    (    39)
   AREA                    12.  NE MEDIUM                  162.0000       27.0000       3.9497       15.6000    (     6)
   AREA                    13.  NE SMALL                    50.0000       25.0000       1.4142        2.0000    (     2)
   AREA                    21.  NCENT LARGE                 48.0000       24.0000       2.8284        8.0000    (     2)
   AREA                    22.  NCENT MEDIUM                24.0000       24.0000       0             0         (     1)
   AREA                    31.  SOUTH LARGE                 23.0000       23.0000       0             0         (     1)
   AREA                    41.  WEST LARGE                  23.0000       23.0000       0             0         (     1)

AGE                        10.  FIVE                     44120.0000       25.9835       4.2416       17.9915    (  1698)
   AREA                    11.  NE LARGE                 10833.0000       25.9784       4.4659       19.9442    (   417)
   AREA                    12.  NE MEDIUM                 4450.0000       26.6467       4.5470       20.6756    (   167)
   AREA                    13.  NE SMALL                  2966.0000       27.2110       4.5156       20.3902    (   109)
   AREA                    21.  NCENT LARGE               4357.0000       25.9345       3.6066       13.0077    (   168)
   AREA                    22.  NCENT MEDIUM              5566.0000       27.2843       4.8533       23.5542    (   204)
   AREA                    24.  NCENT RURAL               1650.0000       26.6129       3.7737       14.2411    (    62)
   AREA                    31.  SOUTH LARGE               4178.0000       23.8743       3.0600        9.3634    (   175)
   AREA                    32.  SOUTH MEDIUM              1792.0000       24.5479       3.0370        9.2234    (    73)
   AREA                    33.  SOUTH SMALL               1923.0000       25.6400       3.8752       15.0173    (    75)
   AREA                    34.  SOUTH RURAL                562.0000       24.4348       3.9638       15.7115    (    23)
   AREA                    41.  WEST LARGE                1287.0000       25.7400       4.4986       20.2371    (    50)
   AREA                    42.  WEST MEDIUM               2525.0000       26.3021       3.8034       14.4657    (    96)
   AREA                    43.  WEST SMALL                2031.0000       25.7089       3.6555       13.3629    (    79)

AGE                        11.  FIVE AND ONE HALF        57460.0000       26.8254       4.4327       19.6491    (  2142)
   AREA                    11.  NE LARGE                  9813.0000       26.5935       4.7460       22.5245    (   369)
```

A-4-157 (cont.)

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
AREA	12.	NE MEDIUM	5904.0000	27.4605	4.9035	24.0440	(215)
AREA	13.	NE SMALL	3061.0000	27.8273	4.6053	21.2084	(110)
AREA	21.	NCENT LARGE	8040.0000	26.8896	4.3656	19.0592	(299)
AREA	22.	NCENT MEDIUM	8595.0000	27.8155	4.5707	20.8912	(309)
AREA	24.	NCENT RURAL	2872.0000	26.8411	3.9553	15.6443	(107)
AREA	31.	SOUTH LARGE	5913.0000	24.4339	3.0415	9.2508	(242)
AREA	32.	SOUTH MEDIUM	1912.0000	26.1918	3.4827	12.1294	(73)
AREA	33.	SOUTH SMALL	2281.0000	27.4819	4.3515	18.9356	(83)
AREA	34.	SOUTH RURAL	515.0000	27.1053	4.3448	18.8772	(19)
AREA	41.	WEST LARGE	1403.0000	27.5098	4.5139	20.3749	(51)
AREA	42.	WEST MEDIUM	4543.0000	27.2036	4.6160	21.3077	(167)
AREA	43.	WEST SMALL	2608.0000	26.6122	3.1708	10.0541	(98)
AGE	12.	SIX	17515.0000	27.4961	5.0005	25.0051	(637)
AREA	11.	NE LARGE	124.0000	24.8000	2.4900	6.2000	(5)
AREA	12.	NE MEDIUM	760.0000	25.3333	3.7905	14.3678	(30)
AREA	13.	NE SMALL	765.0000	26.3793	3.4889	12.1724	(29)
AREA	21.	NCENT LARGE	4620.0000	27.6647	4.8104	23.1399	(167)
AREA	22.	NCENT MEDIUM	2861.0000	28.6100	5.2086	27.1292	(100)
AREA	24.	NCENT RURAL	1841.0000	29.2222	5.4844	30.0789	(63)
AREA	31.	SOUTH LARGE	1994.0000	24.9250	3.3062	10.9310	(80)
AREA	32.	SOUTH MEDIUM	26.0000	26.0000	0	0	(1)
AREA	33.	SOUTH SMALL	506.0000	28.1111	3.5792	12.8105	(18)
AREA	34.	SOUTH RURAL	36.0000	36.0000	0	0	(1)
AREA	41.	WEST LARGE	536.0000	29.7778	6.6999	44.8889	(18)
AREA	42.	WEST MEDIUM	2016.0000	28.3944	6.1050	37.2708	(71)
AREA	43.	WEST SMALL	1430.0000	26.4815	4.1878	17.5374	(54)
AGE	13.	SIX AND ONE HALF	1524.0000	26.2759	5.0290	25.2910	(58)
AREA	11.	NE LARGE	96.0000	24.0000	2.9439	8.6667	(4)
AREA	12.	NE MEDIUM	173.0000	24.7143	5.7941	33.5714	(7)
AREA	13.	NE SMALL	132.0000	26.4000	1.9494	3.8000	(5)
AREA	21.	NCENT LARGE	358.0000	23.8667	3.7960	14.4095	(15)
AREA	22.	NCENT MEDIUM	80.0000	26.6667	8.0829	65.3333	(3)
AREA	24.	NCENT RURAL	85.0000	28.3333	3.0551	9.3333	(3)
AREA	31.	SOUTH LARGE	165.0000	27.5000	3.2711	10.7000	(6)
AREA	32.	SOUTH MEDIUM	26.0000	26.0000	0	0	(1)
AREA	33.	SOUTH SMALL	22.0000	22.0000	0	0	(1)
AREA	42.	WEST MEDIUM	334.0000	30.3636	6.6674	44.4545	(11)
AREA	43.	WEST SMALL	53.0000	26.5000	.7071	.5000	(2)
AGE	14.	SEVEN	248.0000	24.8000	3.6454	13.2889	(10)
AREA	11.	NE LARGE	22.0000	22.0000	0	0	(1)
AREA	21.	NCENT LARGE	126.0000	25.2000	3.0332	9.2000	(5)
AREA	22.	NCENT MEDIUM	19.0000	19.0000	0	0	(1)
AREA	24.	NCENT RURAL	24.0000	24.0000	0	0	(1)
AREA	31.	SOUTH LARGE	31.0000	31.0000	0	0	(1)
AREA	43.	WEST SMALL	26.0000	26.0000	0	0	(1)
AGE	15.	SEVEN AND ONE HALF	55.0000	27.5000	4.9497	24.5000	(2)
AREA	11.	NE LARGE	24.0000	24.0000	0	0	(1)
AREA	31.	SOUTH LARGE	31.0000	31.0000	0	0	(1)

A-4-157 (cont.)

```
REDO APPENDIX TABLES                                                          08/07/76      PAGE  204
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD      STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   AGE         AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                  SUM           MEAN         STD DEV       VARIANCE          N

FOR ENTIRE POPULATION                                     119208.0000       25.6141         4.5696        20.8813    (  4654)

AGE                        -99.                             1209.0000       24.1800         4.2363        17.9465    (    50)
   AREA                     11.  NE LARGE                    574.0000       23.9167         4.7724        22.7754    (    24)
   AREA                     12.  NE MEDIUM                    72.0000       24.0000         3.4641        12.0000    (     3)
   AREA                     21.  NCENT LARGE                 311.0000       23.9231         4.3101        18.5769    (    13)
   AREA                     22.  NCENT MEDIUM                 51.0000       25.5000         4.9497        24.5000    (     2)
   AREA                     24.  NCENT RURAL                  46.0000       23.0000         1.4142         2.0000    (     2)
   AREA                     32.  SOUTH MEDIUM                 46.0000       23.0000         4.2426        18.0000    (     2)
   AREA                     33.  SOUTH SMALL                  28.0000       28.0000         0                 0       (     1)
   AREA                     42.  WEST MEDIUM                  29.0000       29.0000         0                 0       (     1)
   AREA                     43.  WEST SMALL                   52.0000       26.0000         2.8284         8.0000    (     2)

AGE                          8.  FOUR                        114.0000       22.8000         3.5637        12.7000    (     5)
   AREA                     11.  NE LARGE                     43.0000       21.5000         3.5355        12.5000    (     2)
   AREA                     31.  SOUTH LARGE                  28.0000       28.0000         0                 0       (     1)
   AREA                     32.  SOUTH MEDIUM                 20.0000       20.0000         0                 0       (     1)
   AREA                     33.  SOUTH SMALL                  23.0000       23.0000         0                 0       (     1)

AGE                          9.  FOUR AND ONE HALF          1294.0000       24.8846         3.5183        12.3786    (    52)
   AREA                     11.  NE LARGE                    963.0000       24.6923         3.5700        12.7449    (    39)
   AREA                     12.  NE MEDIUM                   160.0000       26.6667         2.5820         6.6667    (     6)
   AREA                     13.  NE SMALL                     54.0000       27.0000         1.4142         2.0000    (     2)
   AREA                     21.  NCENT LARGE                  51.0000       25.5000         4.9497        24.5000    (     2)
   AREA                     22.  NCENT MEDIUM                 22.0000       22.0000         0                 0       (     1)
   AREA                     31.  SOUTH LARGE                  18.0000       18.0000         0                 0       (     1)
   AREA                     41.  WEST LARGE                   26.0000       26.0000         0                 0       (     1)

AGE                         10.  FIVE                      42564.0000       25.0671         4.4702        19.9825    (  1698)
   AREA                     11.  NE LARGE                  10644.0000       25.5252         4.3517        18.9375    (   417)
   AREA                     12.  NE MEDIUM                  4397.0000       26.3293         4.5884        21.0535    (   167)
   AREA                     13.  NE SMALL                   2798.0000       25.6697         5.0130        25.1306    (   109)
   AREA                     21.  NCENT LARGE                4235.0000       25.2083         3.8190        14.5851    (   168)
   AREA                     22.  NCENT MEDIUM               5313.0000       26.0441         4.2719        18.2493    (   204)
   AREA                     24.  NCENT RURAL                1519.0000       24.5000         4.4159        19.5000    (    62)
   AREA                     31.  SOUTH LARGE                4013.0000       22.9314         4.1641        17.3401    (   175)
   AREA                     32.  SOUTH MEDIUM               1688.0000       23.1233         4.1798        17.4707    (    73)
   AREA                     33.  SOUTH SMALL                1827.0000       24.3600         4.5430        20.6389    (    75)
   AREA                     34.  SOUTH RURAL                 538.0000       23.3913         4.8686        23.7036    (    23)
   AREA                     41.  WEST LARGE                 1299.0000       25.9800         4.3869        19.2445    (    50)
   AREA                     42.  WEST MEDIUM                2451.0000       25.5313         3.4882        12.1674    (    96)
   AREA                     43.  WEST SMALL                 1842.0000       23.3165         5.0372        25.3729    (    79)

AGE                         11.  FIVE AND ONE HALF         55569.0000       25.9426         4.5764        20.9435    (  2142)
   AREA                     11.  NE LARGE                   9076.0000       26.7642         4.4935        20.1915    (   369)
```

A-4-158 (cont.)

```
VARIABLE                 CODE   VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

  AREA                    12.   NE MEDIUM               5830.0000      27.1163        4.1995        17.6359   (   215)
  AREA                    13.   NE SMALL                2859.0000      25.9909        4.9558        24.5595   (   110)
  AREA                    21.   NCENT LARGE             7634.0000      25.5318        4.6612        21.7263   (   299)
  AREA                    22.   NCENT MEDIUM            8285.0000      26.8123        4.5666        20.8543   (   309)
  AREA                    24.   NCENT RURAL             2796.0000      26.1308        4.2539        18.0959   (   107)
  AREA                    31.   SOUTH LARGE             5883.0000      24.3099        4.0268        16.2149   (   242)
  AREA                    32.   SOUTH MEDIUM            1794.0000      24.5753        4.2424        17.9977   (    73)
  AREA                    33.   SOUTH SMALL             2096.0000      25.2530        5.0385        25.3866   (    83)
  AREA                    34.   SOUTH RURAL              477.0000      25.1053        3.9707        15.7661   (    19)
  AREA                    41.   WEST LARGE              1347.0000      26.4118        4.6826        21.9271   (    51)
  AREA                    42.   WEST MEDIUM             4222.0000      25.2814        4.8295        23.3239   (   167)
  AREA                    43.   WEST SMALL              2470.0000      25.2041        4.3077        18.5559   (    98)

AGE                       12.   SIX                    16707.0000      26.2276        4.7355        22.4245   (   637)
  AREA                    11.   NE LARGE                 120.0000      24.0000        3.3912        11.5000   (     5)
  AREA                    12.   NE MEDIUM                749.0000      24.9667        4.0214        16.1713   (    30)
  AREA                    13.   NE SMALL                 728.0000      25.1034        4.6086        21.2389   (    29)
  AREA                    21.   NCENT LARGE             4413.0000      26.4251        4.3192        18.6555   (   167)
  AREA                    22.   NCENT MEDIUM            2761.0000      27.6100        5.0530        25.5332   (   100)
  AREA                    24.   NCENT RURAL             1746.0000      27.7143        4.6608        21.7235   (    63)
  AREA                    31.   SOUTH LARGE             1933.0000      24.1625        4.0423        16.3403   (    80)
  AREA                    32.   SOUTH MEDIUM              20.0000      20.0000             0              0   (     1)
  AREA                    33.   SOUTH SMALL              477.0000      26.5000        4.3690        19.0882   (    18)
  AREA                    34.   SOUTH RURAL               31.0000      31.0000             0              0   (     1)
  AREA                    41.   WEST LARGE               472.0000      26.2222        6.6382        44.0654   (    18)
  AREA                    42.   WEST MEDIUM             1926.0000      27.1268        4.9711        24.7123   (    71)
  AREA                    43.   WEST SMALL              1331.0000      24.6481        4.4389        19.7041   (    54)

AGE                       13.   SIX AND ONE HALF        1438.0000      24.7931        4.8004        23.0442   (    58)
  AREA                    11.   NE LARGE                  99.0000      24.7500        3.4034        11.5833   (     4)
  AREA                    12.   NE MEDIUM                163.0000      23.2857        3.9036        15.2381   (     7)
  AREA                    13.   NE SMALL                 120.0000      24.0000        3.9370        15.5000   (     5)
  AREA                    21.   NCENT LARGE              364.0000      24.2667        4.1998        17.6381   (    15)
  AREA                    22.   NCENT MEDIUM              83.0000      27.6667        5.6862        32.3333   (     3)
  AREA                    24.   NCENT RURAL               88.0000      29.3333        2.3094         5.3333   (     3)
  AREA                    31.   SOUTH LARGE              142.0000      23.6667        4.8028        23.0667   (     6)
  AREA                    32.   SOUTH MEDIUM              19.0000      19.0000             0              0   (     1)
  AREA                    33.   SOUTH SMALL               17.0000      17.0000             0              0   (     1)
  AREA                    42.   WEST MEDIUM              297.0000      27.0000        6.4498        41.6000   (    11)
  AREA                    43.   WEST SMALL                46.0000      23.0000             0              0   (     2)

AGE                       14.   SEVEN                    255.0000      25.5000        2.5927         6.7222   (    10)
  AREA                    11.   NE LARGE                  26.0000      26.0000             0              0   (     1)
  AREA                    21.   NCENT LARGE              129.0000      25.8000        1.3038         1.7000   (     5)
  AREA                    22.   NCENT MEDIUM              24.0000      24.0000             0              0   (     1)
  AREA                    24.   NCENT RURAL               26.0000      26.0000             0              0   (     1)
  AREA                    31.   SOUTH LARGE               30.0000      30.0000             0              0   (     1)
  AREA                    43.   WEST SMALL                20.0000      20.0000             0              0   (     1)

AGE                       15.   SEVEN AND ONE HALF        58.0000      29.0000        1.4142         2.0000   (     2)
  AREA                    11.   NE LARGE                  28.0000      28.0000             0              0   (     1)
  AREA                    31.   SOUTH LARGE               30.0000      30.0000             0              0   (     1)
```

A-4-158 (cont.)

```
REDO APPENDIX TABLES                                                  08/07/76      PAGE  226
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

460

A-4-159

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SSKMMA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
--------------------------------------------------------------------------------------------

     VARIABLE              CODE     VALUE LABEL              SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   105590.0000      22.6880       6.5407       42.7804    (  4654)

AGE                         -99.                          1010.0000      20.2000       5.3795       28.9388    (    50)
    AREA                     11.   NE LARGE                494.0000      20.5833       5.2661       27.7319    (    24)
    AREA                     12.   NE MEDIUM                63.0000      21.0000      12.2882      151.0000    (     3)
    AREA                     21.   NCENT LARGE             251.0000      19.3077       4.2502       18.0641    (    13)
    AREA                     22.   NCENT MEDIUM             42.0000      21.0000       0            0         (     2)
    AREA                     24.   NCENT RURAL              41.0000      20.5000       2.1213        4.5000    (     2)
    AREA                     32.   SOUTH MEDIUM             31.0000      15.5000       4.9497       24.5000    (     2)
    AREA                     33.   SOUTH SMALL              22.0000      22.0000       0            0         (     1)
    AREA                     42.   WEST MEDIUM              25.0000      25.0000       0            0         (     1)
    AREA                     43.   WEST SMALL               41.0000      20.5000      12.0208      144.5000    (     2)

AGE                           8.   FOUR                     84.0000      16.8000       5.3104       28.2000    (     5)
    AREA                     11.   NE LARGE                 43.0000      21.5000       2.1213        4.5000    (     2)
    AREA                     31.   SOUTH LARGE              17.0000      17.0000       0            0         (     1)
    AREA                     32.   SOUTH MEDIUM              9.0000       9.0000       0            0         (     1)
    AREA                     33.   SOUTH SMALL              15.0000      15.0000       0            0         (     1)

AGE                           9.   FOUR AND ONE HALF      1011.0000      19.4423       4.7255       22.3299    (    52)
    AREA                     11.   NE LARGE                746.0000      19.1282       5.1615       26.6410    (    39)
    AREA                     12.   NE MEDIUM               127.0000      21.1667       2.9269        8.5667    (     6)
    AREA                     13.   NE SMALL                 42.0000      21.0000       5.6569       32.0000    (     2)
    AREA                     21.   NCENT LARGE              36.0000      18.0000       4.2426       18.0000    (     2)
    AREA                     22.   NCENT MEDIUM             20.0000      20.0000       0            0         (     1)
    AREA                     31.   SOUTH LARGE              19.0000      19.0000       0            0         (     1)
    AREA                     41.   WEST LARGE               21.0000      21.0000       0            0         (     1)

AGE                          10.   FIVE                  36529.0000      21.5130       6.0208       36.2500    (  1698)
    AREA                     11.   NE LARGE               9023.0000      21.6379       6.7686       45.8133    (   417)
    AREA                     12.   NE MEDIUM              3735.0000      22.3653       6.4522       41.6308    (   167)
    AREA                     13.   NE SMALL               2394.0000      21.9633       6.1251       37.5172    (   109)
    AREA                     21.   NCENT LARGE            3505.0000      20.8631       4.8001       23.0410    (   168)
    AREA                     22.   NCENT MEDIUM           4838.0000      23.7157       5.8079       33.7316    (   204)
    AREA                     24.   NCENT RURAL            1483.0000      23.9194       4.9466       24.4688    (    62)
    AREA                     31.   SOUTH LARGE            3227.0000      18.4400       5.0601       25.6041    (   175)
    AREA                     32.   SOUTH MEDIUM           1421.0000      19.4658       4.4161       19.5023    (    73)
    AREA                     33.   SOUTH SMALL            1520.0000      20.2667       6.0813       36.9820    (    75)
    AREA                     34.   SOUTH RURAL             497.0000      21.6087       3.6524       13.3399    (    23)
    AREA                     41.   WEST LARGE             1062.0000      21.2400       6.1729       38.1045    (    50)
    AREA                     42.   WEST MEDIUM            2136.0000      22.2500       6.1026       37.2421    (    96)
    AREA                     43.   WEST SMALL             1688.0000      21.3671       4.0987       16.7994    (    79)

AGE                          11.   FIVE AND ONE HALF     49445.0000      23.0836       6.5451       42.8389    (  2142)
    AREA                     11.   NE LARGE               8593.0000      23.2873       6.4580       41.7053    (   369)
```

A-4-159 (cont.)

```
VARIABLE              CODE  VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE         N

   AREA                12.  NE MEDIUM              5114.0000       23.7860        6.7534       45.6082   (   215)
   AREA                13.  NE SMALL               2599.0000       23.6273        6.8682       47.1717   (   110)
   AREA                21.  NCENT LARGE            6710.0000       22.4415        5.5363       30.6501   (   299)
   AREA                22.  NCENT MEDIUM           7916.0000       25.6181        6.9964       48.9446   (   309)
   AREA                24.  NCENT RURAL            2713.0000       25.3551        5.1547       26.5708   (   107)
   AREA                31.  SOUTH LARGE            4639.0000       19.1694        5.5622       30.9380   (   242)
   AREA                32.  SOUTH MEDIUM           1538.0000       21.0685        4.4763       20.0369   (    73)
   AREA                33.  SOUTH SMALL            1929.0000       23.2410        6.7111       45.0388   (    83)
   AREA                34.  SOUTH RURAL             419.0000       22.0526        5.9017       34.8304   (    19)
   AREA                41.  WEST LARGE             1140.0000       22.3529        7.2659       52.7929   (    51)
   AREA                42.  WEST MEDIUM            3913.0000       23.4311        7.5326       56.7407   (   167)
   AREA                43.  WEST SMALL             2222.0000       22.6735        4.8286       23.3150   (    98)

AGE                    12.  SIX                   15847.0000       24.8776        7.1771       51.5101   (   637)
   AREA                11.  NE LARGE                142.0000       28.4000       12.9151      166.8000   (     5)
   AREA                12.  NE MEDIUM               641.0000       21.3667        6.6149       43.7575   (    30)
   AREA                13.  NE SMALL                670.0000       23.1034        5.7280       32.8103   (    29)
   AREA                21.  NCENT LARGE            4109.0000       24.6048        7.3901       54.6140   (   167)
   AREA                22.  NCENT MEDIUM           2784.0000       27.8400        7.5139       56.4590   (   100)
   AREA                24.  NCENT RURAL            1813.0000       28.7778        5.8872       34.6595   (    63)
   AREA                31.  SOUTH LARGE            1675.0000       20.9375        5.1468       26.4897   (    80)
   AREA                32.  SOUTH MEDIUM             12.0000       12.0000             0             0   (     1)
   AREA                33.  SOUTH SMALL             482.0000       26.7778        5.1741       26.7712   (    18)
   AREA                34.  SOUTH RURAL              23.0000       23.0000             0             0   (     1)
   AREA                41.  WEST LARGE              471.0000       26.1667        8.0239       64.3824   (    18)
   AREA                42.  WEST MEDIUM            1789.0000       25.1972        7.4193       55.0463   (    71)
   AREA                43.  WEST SMALL             1236.0000       22.8889        5.3329       28.4403   (    54)

AGE                    13.  SIX AND ONE HALF       1391.0000       23.9828        7.5452       56.9295   (    58)
   AREA                11.  NE LARGE                 98.0000       24.5000        3.6968       13.6667   (     4)
   AREA                12.  NE MEDIUM               157.0000       22.4286        4.7909       22.9524   (     7)
   AREA                13.  NE SMALL                100.0000       20.0000        3.1623       10.0000   (     5)
   AREA                21.  NCENT LARGE             324.0000       21.6000        5.3692       28.8286   (    15)
   AREA                22.  NCENT MEDIUM             83.0000       27.6667        7.0946       50.3333   (     3)
   AREA                24.  NCENT RURAL             101.0000       33.6667        9.0185       81.3333   (     3)
   AREA                31.  SOUTH LARGE             144.0000       24.0000        8.6487       74.8000   (     6)
   AREA                32.  SOUTH MEDIUM             15.0000       15.0000             0             0   (     1)
   AREA                33.  SOUTH SMALL              21.0000       21.0000             0             0   (     1)
   AREA                42.  WEST MEDIUM             307.0000       27.9091       10.9403      119.6909   (    11)
   AREA                43.  WEST SMALL               41.0000       20.5000         .7071         .5000   (     2)

AGE                    14.  SEVEN                   222.0000       22.2000        4.5166       20.4000   (    10)
   AREA                11.  NE LARGE                 22.0000       22.0000             0             0   (     1)
   AREA                21.  NCENT LARGE             112.0000       22.4000        5.8566       34.3000   (     5)
   AREA                22.  NCENT MEDIUM             17.0000       17.0000             0             0   (     1)
   AREA                24.  NCENT RURAL              26.0000       26.0000             0             0   (     1)
   AREA                31.  SOUTH LARGE              24.0000       24.0000             0             0   (     1)
   AREA                43.  WEST SMALL               21.0000       21.0000             0             0   (     1)

AGE                    15.  SEVEN AND ONE HALF       51.0000       25.5000        9.1924       84.5000   (     2)
   AREA                11.  NE LARGE                 19.0000       19.0000             0             0   (     1)
   AREA                31.  SOUTH LARGE              32.0000       32.0000             0             0   (     1)
```

462

A-4-159 (cont.)

```
REDO APPENDIX TABLES                                                    08/07/76      PAGE  248
ANYONE WITH DATA

  TOTAL CASES =    12996
MISSING CASES =     8342 OR   64.2 PCT.
```

729

730

A-4-160

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE     VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                      155837.0000     37.1837      10.4335      108.8588   (  4191)

AGE                       -99.                                390.0000     32.5000       6.3747       40.6364   (    12)
   AREA                    11.   NE LARGE                     293.0000     32.5556       7.4685       55.7778   (     9)
   AREA                    31.   SOUTH LARGE                   33.0000     33.0000       0            0         (     1)
   AREA                    41.   WEST LARGE                    32.0000     32.0000       0            0         (     1)
   AREA                    43.   WEST SMALL                    32.0000     32.0000       0            0         (     1)

AGE                         8.   FOUR                         286.0000     40.8571      12.1577      147.8095   (     7)
   AREA                    11.   NE LARGE                     152.0000     38.0000      11.3431      128.6667   (     4)
   AREA                    31.   SOUTH LARGE                   31.0000     31.0000       0            0         (     1)
   AREA                    33.   SOUTH SMALL                   43.0000     43.0000       0            0         (     1)
   AREA                    41.   WEST LARGE                    60.0000     60.0000       0            0         (     1)

AGE                         9.   FOUR AND ONE HALF           2964.0000     34.4651       9.4877       90.0164   (    86)
   AREA                    11.   NE LARGE                    2589.0000     33.6234       8.9416       79.9484   (    77)
   AREA                    12.   NE MEDIUM                    184.0000     36.8000       6.5727       43.2000   (     5)
   AREA                    13.   NE SMALL                      46.0000     46.0000       0            0         (     1)
   AREA                    22.   NCENT MEDIUM                 116.0000     58.0000       7.0711       50.0000   (     2)
   AREA                    31.   SOUTH LARGE                   29.0000     29.0000       0            0         (     1)

AGE                        10.   FIVE                       57777.0000     35.8863       9.8188       96.4091   (  1610)
   AREA                    11.   NE LARGE                   25129.0000     34.8047       9.8697       97.4112   (   722)
   AREA                    12.   NE MEDIUM                   4946.0000     36.9104       9.0391       81.7062   (   134)
   AREA                    13.   NE SMALL                    3002.0000     38.4872       8.9192       79.5518   (    78)
   AREA                    21.   NCENT LARGE                 2634.0000     37.0986      10.4392      108.9759   (    71)
   AREA                    22.   NCENT MEDIUM                4947.0000     39.5760      10.5297      110.8752   (   125)
   AREA                    24.   NCENT RURAL                 2585.0000     43.0833       9.3306       87.0507   (    60)
   AREA                    31.   SOUTH LARGE                 2211.0000     29.0921       7.3397       53.8714   (    76)
   AREA                    33.   SOUTH SMALL                 2397.0000     41.3276      10.6892      114.2592   (    58)
   AREA                    34.   SOUTH RURAL                 1367.0000     33.3415       6.4638       41.7805   (    41)
   AREA                    41.   WEST LARGE                  5249.0000     35.7075       8.7446       76.4686   (   147)
   AREA                    42.   WEST MEDIUM                  996.0000     36.8889       9.3863       88.1026   (    27)
   AREA                    43.   WEST SMALL                  2314.0000     32.5915       6.5281       42.6165   (    71)

AGE                        11.   FIVE AND ONE HALF          68783.0000     37.8761      10.4603      109.4188   (  1816)
   AREA                    11.   NE LARGE                   23049.0000     37.6003      10.1261      102.5377   (   613)
   AREA                    12.   NE MEDIUM                   5914.0000     38.9079      10.1069      102.1504   (   152)
   AREA                    13.   NE SMALL                    2920.0000     41.1268      10.3122      106.3408   (    71)
   AREA                    21.   NCENT LARGE                 5095.0000     37.1898      10.5729      111.7972   (   137)
   AREA                    22.   NCENT MEDIUM                7442.0000     41.1160      10.0743      101.4920   (   181)
   AREA                    24.   NCENT RURAL                 4275.0000     44.0722      10.9908      120.7968   (    97)
   AREA                    31.   SOUTH LARGE                 3580.0000     31.1304       6.6997       44.8863   (   115)
   AREA                    33.   SOUTH SMALL                 2916.0000     45.5625      13.4824      181.7738   (    64)
```

463

A-4-160 (cont.)

```
VARIABLE              CODE  VALUE LABEL                  SUM         MEAN      STD DEV     VARIANCE       N

  AREA                 34.  SOUTH RURAL            1836.0000      36.7200       9.2075      84.7771   (   50)
  AREA                 41.  WEST LARGE             6564.0000      35.8689       9.8664      97.3453   (  183)
  AREA                 42.  WEST MEDIUM            2523.0000      36.0429       8.5252      72.6793   (   70)
  AREA                 43.  WEST SMALL             2669.0000      32.1566       7.8359      61.4020   (   83)

AGE                    12.  SIX                   20634.0000      39.7572      12.1429     147.4566   (  519)
  AREA                 11.  NE LARGE               1661.0000      32.5686      11.2219     125.9302   (   51)
  AREA                 12.  NE MEDIUM               836.0000      34.8333       7.3701      54.3188   (   24)
  AREA                 13.  NE SMALL                533.0000      38.0714      11.3711     129.3022   (   14)
  AREA                 21.  NCENT LARGE            2583.0000      42.3443      12.4605     155.2628   (   61)
  AREA                 22.  NCENT MEDIUM           4176.0000      44.9032      11.5420     133.2188   (   93)
  AREA                 24.  NCENT RURAL            2796.0000      46.6000      12.3552     152.6508   (   60)
  AREA                 31.  SOUTH LARGE            1427.0000      31.0217       7.2770      52.9551   (   46)
  AREA                 33.  SOUTH SMALL            1209.0000      48.3600       9.4158      88.6567   (   25)
  AREA                 34.  SOUTH RURAL             931.0000      38.7917       5.5245      30.5199   (   24)
  AREA                 41.  WEST LARGE             1651.0000      36.6889      11.4412     130.9010   (   45)
  AREA                 42.  WEST MEDIUM            1481.0000      42.3143      13.2416     175.3395   (   35)
  AREA                 43.  WEST SMALL             1350.0000      32.9268       8.2988      68.8695   (   41)

AGE                    13.  SIX AND ONE HALF       3856.0000      35.3761       7.8879      62.2183   (  109)
  AREA                 11.  NE LARGE                847.0000      35.2917       5.9890      35.8678   (   24)
  AREA                 12.  NE MEDIUM               312.0000      31.2000       7.7860      60.6222   (   10)
  AREA                 13.  NE SMALL                 59.0000      29.5000       4.9497      24.5000   (    2)
  AREA                 21.  NCENT LARGE             313.0000      39.1250       9.5235      90.6964   (    8)
  AREA                 22.  NCENT MEDIUM            267.0000      33.3750       8.5011      72.2679   (    8)
  AREA                 24.  NCENT RURAL             496.0000      41.3333       9.3452      87.3333   (   12)
  AREA                 31.  SOUTH LARGE             274.0000      34.2500       7.0862      50.2143   (    8)
  AREA                 33.  SOUTH SMALL             256.0000      42.6667       8.7788      77.0667   (    6)
  AREA                 34.  SOUTH RURAL             249.0000      35.5714       6.1875      38.2857   (    7)
  AREA                 41.  WEST LARGE              319.0000      31.9000       6.4885      42.1000   (   10)
  AREA                 42.  WEST MEDIUM             102.0000      34.0000      10.4403     109.0000   (    3)
  AREA                 43.  WEST SMALL              362.0000      32.9091       5.6825      32.2909   (   11)

AGE                    14.  SEVEN                   870.0000      36.2500       6.6610      44.3696   (   24)
  AREA                 11.  NE LARGE                100.0000      33.3333       7.5056      56.3333   (    3)
  AREA                 12.  NE MEDIUM                78.0000      39.0000       1.4142       2.0000   (    2)
  AREA                 21.  NCENT LARGE              61.0000      30.5000       3.5355      12.5000   (    2)
  AREA                 22.  NCENT MEDIUM            148.0000      37.0000       4.8990      24.0000   (    4)
  AREA                 24.  NCENT RURAL             328.0000      41.0000       6.7612      45.7143   (    8)
  AREA                 34.  SOUTH RURAL              59.0000      29.5000       4.9497      24.5000   (    2)
  AREA                 41.  WEST LARGE               33.0000      33.0000            0            0   (    1)
  AREA                 43.  WEST SMALL               63.0000      31.5000       6.3640      40.5000   (    2)

AGE                    15.  SEVEN AND ONE HALF      192.0000      38.4000      12.5817     158.3000   (    5)
  AREA                 11.  NE LARGE                 24.0000      24.0000            0            0   (    1)
  AREA                 21.  NCENT LARGE              57.0000      57.0000            0            0   (    1)
  AREA                 31.  SOUTH LARGE              41.0000      41.0000            0            0   (    1)
  AREA                 43.  WEST SMALL               70.0000      35.0000       7.0711      50.0000   (    2)

AGE                    16.  EIGHT                    61.0000      30.5000       2.1213       4.5000   (    2)
  AREA                 11.  NE LARGE                 61.0000      30.5000       2.1213       4.5000   (    2)

AGE                    17.                           24.0000      24.0000            0            0   (    1)
  AREA                 11.  NE LARGE                 24.0000      24.0000            0            0   (    1)
```

734

733

```
REDO APPENDIX TABLES                                              08/07/76     PAGE  268
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                   153729.0000       36.6807      11.7979      139.1911    (  4191)

AGE                       -99.                             389.0000       32.4167       5.8225       33.9015    (    12)
   AREA                    11.   NE LARGE                  291.0000       32.3333       6.6332       44.0000    (     9)
   AREA                    31.   SOUTH LARGE                29.0000       29.0000            0             0    (     1)
   AREA                    41.   WEST LARGE                 34.0000       34.0000            0             0    (     1)
   AREA                    43.   WEST SMALL                 35.0000       35.0000            0             0    (     1)

AGE                         8.   FOUR                      267.0000       38.1429      16.7375      280.1429    (     7)
   AREA                    11.   NE LARGE                  153.0000       38.2500      20.3859      415.5833    (     4)
   AREA                    31.   SOUTH LARGE                29.0000       29.0000            0             0    (     1)
   AREA                    33.   SOUTH SMALL                30.0000       30.0000            0             0    (     1)
   AREA                    41.   WEST LARGE                 55.0000       55.0000            0             0    (     1)

AGE                         9.   FOUR AND ONE HALF        3013.0000       35.0349      10.4571      109.3517    (    86)
   AREA                    11.   NE LARGE                 2688.0000       34.9091      10.8193      117.0574    (    77)
   AREA                    12.   NE MEDIUM                 163.0000       32.6000       4.1593       17.3000    (     5)
   AREA                    13.   NE SMALL                   40.0000       40.0000            0             0    (     1)
   AREA                    22.   NCENT MEDIUM               92.0000       46.0000       2.8284        8.0000    (     2)
   AREA                    31.   SOUTH LARGE                30.0000       30.0000            0             0    (     1)

AGE                        10.   FIVE                    56575.0000       35.1398      11.3998      129.9550    (  1610)
   AREA                    11.   NE LARGE                25938.0000       35.9252      12.1388      147.3508    (   722)
   AREA                    12.   NE MEDIUM                4624.0000       34.5075      11.4108      130.2067    (   134)
   AREA                    13.   NE SMALL                 3069.0000       39.3462       9.6710       93.5280    (    78)
   AREA                    21.   NCENT LARGE              2350.0000       33.0986      11.4980      132.2044    (    71)
   AREA                    22.   NCENT MEDIUM             4669.0000       37.3520       9.7619       95.2945    (   125)
   AREA                    24.   NCENT RURAL              2581.0000       43.0167       9.7433       94.9319    (    60)
   AREA                    31.   SOUTH LARGE              1908.0000       25.1053       8.2617       68.2554    (    76)
   AREA                    33.   SOUTH SMALL              2185.0000       37.6724       9.5942       92.0687    (    58)
   AREA                    34.   SOUTH RURAL              1212.0000       29.5610       7.8200       61.1524    (    41)
   AREA                    41.   WEST LARGE               4957.0000       33.7211       9.6874       93.8463    (   147)
   AREA                    42.   WEST MEDIUM               958.0000       35.4815      10.6387      113.1823    (    27)
   AREA                    43.   WEST SMALL               2124.0000       29.9155       7.7122       59.4785    (    71)

AGE                        11.   FIVE AND ONE HALF       68027.0000       37.4598      11.7842      138.8678    (  1816)
   AREA                    11.   NE LARGE                24047.0000       39.2284      12.5818      158.3007    (   613)
   AREA                    12.   NE MEDIUM                5563.0000       36.5987      10.8251      117.1822    (   152)
   AREA                    13.   NE SMALL                 2834.0000       39.9155      10.8031      116.7070    (    71)
   AREA                    21.   NCENT LARGE              4729.0000       34.5182      11.4757      131.6927    (   137)
   AREA                    22.   NCENT MEDIUM             7144.0000       39.4696       9.6693       93.4949    (   181)
   AREA                    24.   NCENT RURAL              4409.0000       45.4536      13.1355      172.5421    (    97)
   AREA                    31.   SOUTH LARGE              3246.0000       28.2261       7.9417       63.0712    (   115)
   AREA                    33.   SOUTH SMALL              2712.0000       42.3750      11.5326      133.0000    (    64)
```

A-4-161 (cont.)

```
VARIABLE             CODE   VALUE LABEL                   SUM         MEAN      STD DEV      VARIANCE        N

   AREA               34.   SOUTH RURAL             1559.0000      31.1800       9.6610       93.3343   (    50)
   AREA               41.   WEST LARGE              6318.0000      34.5246       9.6555       93.2288   (   183)
   AREA               42.   WEST MEDIUM             2590.0000      37.0000      11.4879      131.9710   (    70)
   AREA               43.   WEST SMALL              2876.0000      34.6506       8.2926       68.7667   (    83)

AGE                   12.   SIX                    20461.0000      39.4239      13.0878      169.2922   (   519)
   AREA               11.   NE LARGE                1673.0000      32.8039      14.0200      196.5608   (    51)
   AREA               12.   NE MEDIUM                812.0000      33.8333       9.7341       94.7536   (    24)
   AREA               13.   NE SMALL                 560.0000      40.0000      13.0973      171.5385   (    14)
   AREA               21.   NCENT LARGE             2557.0000      41.9180      14.3890      207.0432   (    61)
   AREA               22.   NCENT MEDIUM            3998.0000      42.9892      10.2741      105.5977   (    93)
   AREA               24.   NCENT RURAL             3012.0000      50.2000      12.9036      166.5017   (    60)
   AREA               31.   SOUTH LARGE             1465.0000      31.8478      10.2740      105.5541   (    46)
   AREA               33.   SOUTH SMALL             1080.0000      43.2000      11.5000      132.2500   (    25)
   AREA               34.   SOUTH RURAL              859.0000      35.7917       6.3519       40.3460   (    24)
   AREA               41.   WEST LARGE              1614.0000      35.8667      13.0968      171.5273   (    45)
   AREA               42.   WEST MEDIUM             1503.0000      42.9429      11.5128      132.5261   (    35)
   AREA               43.   WEST SMALL              1328.0000      32.3902       8.1850       66.9939   (    41)

AGE                   13.   SIX AND ONE HALF        3848.0000      35.3028       9.9000       98.0093   (   109)
   AREA               11.   NE LARGE                 930.0000      38.7500      10.6862      114.1957   (    24)
   AREA               12.   NE MEDIUM                325.0000      32.5000       8.9846       80.7222   (    10)
   AREA               13.   NE SMALL                  54.0000      27.0000      14.1421      200.0000   (     2)
   AREA               21.   NCENT LARGE              270.0000      33.7500      12.3607      152.7857   (     8)
   AREA               22.   NCENT MEDIUM             243.0000      30.3750       6.1861       38.2679   (     8)
   AREA               24.   NCENT RURAL              506.0000      42.1667      12.0366      144.8788   (    12)
   AREA               31.   SOUTH LARGE              262.0000      32.7500       9.5581       91.3571   (     8)
   AREA               33.   SOUTH SMALL              237.0000      39.5000       9.2250       85.1000   (     6)
   AREA               34.   SOUTH RURAL              245.0000      35.0000       8.5245       72.6667   (     7)
   AREA               41.   WEST LARGE               311.0000      31.1000       6.1725       38.1000   (    10)
   AREA               42.   WEST MEDIUM              103.0000      34.3333        .5774         .3333   (     3)
   AREA               43.   WEST SMALL               362.0000      32.9091       7.5823       57.4909   (    11)

AGE                   14.   SEVEN                    889.0000      37.0417       9.7823       95.6938   (    24)
   AREA               11.   NE LARGE                  94.0000      31.3333       6.6583       44.3333   (     3)
   AREA               12.   NE MEDIUM                 80.0000      40.0000       1.4142        2.0000   (     2)
   AREA               21.   NCENT LARGE               62.0000      31.0000       4.2426       18.0000   (     2)
   AREA               22.   NCENT MEDIUM             140.0000      35.0000      13.6382      186.0000   (     4)
   AREA               24.   NCENT RURAL              346.0000      43.2500       8.4642       71.6429   (     8)
   AREA               34.   SOUTH RURAL               65.0000      32.5000       3.5355       12.5000   (     2)
   AREA               41.   WEST LARGE                27.0000      27.0000            0             0   (     1)
   AREA               43.   WEST SMALL                75.0000      37.5000      19.0919      364.5000   (     2)

AGE                   15.   SEVEN AND ONE HALF       180.0000      36.0000       9.5131       90.5000   (     5)
   AREA               11.   NE LARGE                  24.0000      24.0000            0             0   (     1)
   AREA               21.   NCENT LARGE               30.0000      30.0000            0             0   (     1)
   AREA               31.   SOUTH LARGE               38.0000      38.0000            0             0   (     1)
   AREA               43.   WEST SMALL                88.0000      44.0000       7.0711       50.0000   (     2)

AGE                   16.   EIGHT                     50.0000      25.0000       9.8995       98.0000   (     2)
   AREA               11.   NE LARGE                  50.0000      25.0000       9.8995       98.0000   (     2)

AGE                   17.                             30.0000      30.0000            0             0   (     1)
   AREA               11.   NE LARGE                  30.0000      30.0000            0             0   (     1)
```

A-4-161 (cont.)

```
REDO APPENDIX TABLES                                                           08/07/76      PAGE  287
ANYONE WITH DATA

  TOTAL CASES =   12996
MISSING CASES =    8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2HR      STAND SC 2ND OR MAT TOTAL READING
    BROKEN DOWN BY   AGE        AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                SUM           MEAN          STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   145960.0000        48.7346         14.9501       223.5050    ( 2995)

AGE                         -99.                           159.0000        53.0000          4.5826        21.0000    (    3)
   AREA                      11.    NE LARGE                52.0000        52.0000          0             0          (    1)
   AREA                      21.    NCENT LARGE             58.0000        58.0000          0             0          (    1)
   AREA                      42.    WEST MEDIUM             49.0000        49.0000          0             0          (    1)

AGE                           8.    FOUR                   245.0000        61.2500         17.0758       291.5833    (    4)
   AREA                      11.    NE LARGE               118.0000        59.0000         15.5563       242.0000    (    2)
   AREA                      13.    NE SMALL                81.0000        81.0000          0             0          (    1)
   AREA                      31.    SOUTH LARGE             46.0000        46.0000          0             0          (    1)

AGE                           9.    FOUR AND ONE HALF     2006.0000        45.5909         11.4146       130.2939    (   44)
   AREA                      11.    NE LARGE              1622.0000        45.0556         11.2655       126.9111    (   36)
   AREA                      12.    NE MEDIUM               58.0000        58.0000          0             0          (    1)
   AREA                      13.    NE SMALL               166.0000        55.3333         15.0444       226.3333    (    3)
   AREA                      21.    NCENT LARGE             48.0000        48.0000          0             0          (    1)
   AREA                      31.    SOUTH LARGE             78.0000        39.0000          5.6569        32.0000    (    2)
   AREA                      42.    WEST MEDIUM             34.0000        34.0000          0             0          (    1)

AGE                          10.    FIVE                 53858.0000        47.6198         14.5907       212.8890    ( 1131)
   AREA                      11.    NE LARGE             23010.0000        45.9281         13.9441       194.4388    (  501)
   AREA                      12.    NE MEDIUM             4275.0000        49.7093         14.3714       206.5380    (   86)
   AREA                      13.    NE SMALL              5517.0000        53.5631         13.7482       189.0131    (  103)
   AREA                      21.    NCENT LARGE           2620.0000        45.9649         18.4332       339.7845    (   57)
   AREA                      22.    NCENT MEDIUM          4473.0000        51.4138         13.6582       186.5477    (   87)
   AREA                      24.    NCENT RURAL           2402.0000        53.3778         11.2417       126.3768    (   45)
   AREA                      31.    SOUTH LARGE           3002.0000        38.4872         14.4445       208.6427    (   78)
   AREA                      33.    SOUTH SMALL           3138.0000        54.1034         15.1376       229.1470    (   58)
   AREA                      34.    SOUTH RURAL            988.0000        42.9565         14.7108       216.4071    (   23)
   AREA                      41.    WEST LARGE             636.0000        48.9231         14.9022       222.0769    (   13)
   AREA                      42.    WEST MEDIUM           1749.0000        49.9714         14.5045       210.3815    (   35)
   AREA                      43.    WEST SMALL            2048.0000        45.5111          9.4931        90.1192    (   45)

AGE                          11.    FIVE AND ONE HALF    65603.0000        49.3998         15.4614       239.0555    ( 1328)
   AREA                      11.    NE LARGE             21077.0000        47.4707         15.1314       228.9585    (  444)
   AREA                      12.    NE MEDIUM             5868.0000        51.9292         14.6176       213.6735    (  113)
   AREA                      13.    NE SMALL              4848.0000        52.6957         14.8218       219.6866    (   92)
   AREA                      21.    NCENT LARGE           4070.0000        47.3256         16.0260       256.8339    (   86)
   AREA                      22.    NCENT MEDIUM          7029.0000        53.6565         10.8229       117.1349    (  131)
   AREA                      24.    NCENT RURAL           5422.0000        56.4792         11.7186       137.3259    (   96)
   AREA                      31.    SOUTH LARGE           3295.0000        35.0532         16.2483       264.0079    (   94)
   AREA                      33.    SOUTH SMALL           5893.0000        57.7745         14.3575       206.1368    (  102)
   AREA                      34.    SOUTH RURAL            626.0000        44.7143          9.9338        98.6813    (   14)
```

A-4-162 (cont.)

```
 VARIABLE              CODE   VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

   AREA                 41.   WEST LARGE              859.0000       53.6875         9.6728        93.5625   (    16)
   AREA                 42.   WEST MEDIUM            3872.0000       49.6410        17.7186       313.9474   (    78)
   AREA                 43.   WEST SMALL             2744.0000       44.2581        12.7150       161.6700   (    62)

AGE                     12.   SIX                   18875.0000       51.1518        15.2536       232.6726   (   369)
   AREA                 11.   NE LARGE                491.0000       37.7692        16.9860       288.5256   (    13)
   AREA                 12.   NE MEDIUM               573.0000       47.7500         5.1896        26.9318   (    12)
   AREA                 13.   NE SMALL               1388.0000       49.5714        14.6980       216.0317   (    28)
   AREA                 21.   NCENT LARGE            3439.0000       52.1061        16.2955       265.5424   (    66)
   AREA                 22.   NCENT MEDIUM           3301.0000       54.1148        13.0959       171.5033   (    61)
   AREA                 24.   NCENT RURAL            3856.0000       55.8841        10.8892       118.5746   (    69)
   AREA                 31.   SOUTH LARGE             904.0000       39.3043        15.7464       247.9486   (    23)
   AREA                 33.   SOUTH SMALL            1102.0000       61.2222        18.3257       335.8301   (    18)
   AREA                 34.   SOUTH RURAL              55.0000       55.0000              0              0   (     1)
   AREA                 41.   WEST LARGE              359.0000       59.8333        19.8637       394.5667   (     6)
   AREA                 42.   WEST MEDIUM            1934.0000       53.7222         9.4252        88.8349   (    36)
   AREA                 43.   WEST SMALL             1473.0000       40.9167        16.8733       284.7071   (    36)

AGE                     13.   SIX AND ONE HALF       3535.0000       44.1875        11.6141       134.8884   (    80)
   AREA                 11.   NE LARGE                457.0000       38.0833        13.8463       191.7197   (    12)
   AREA                 12.   NE MEDIUM               214.0000       42.8000         6.9426        48.2000   (     5)
   AREA                 13.   NE SMALL                133.0000       44.3333        14.2945       204.3333   (     3)
   AREA                 21.   NCENT LARGE             834.0000       43.8947         7.1094        50.5439   (    19)
   AREA                 22.   NCENT MEDIUM            251.0000       41.8333        19.6816       387.3667   (     6)
   AREA                 24.   NCENT RURAL             745.0000       49.6667         9.1548        83.8095   (    15)
   AREA                 31.   SOUTH LARGE             399.0000       44.3333         6.4807        42.0000   (     9)
   AREA                 33.   SOUTH SMALL             170.0000       56.6667         3.0551         9.3333   (     3)
   AREA                 42.   WEST MEDIUM             106.0000       35.3333        29.1433       849.3333   (     3)
   AREA                 43.   WEST SMALL              226.0000       45.2000         7.4632        55.7000   (     5)

AGE                     14.   SEVEN                  1269.0000       47.0000         6.8500        46.9231   (    27)
   AREA                 11.   NE LARGE                 42.0000       42.0000              0              0   (     1)
   AREA                 12.   NE MEDIUM                52.0000       52.0000              0              0   (     1)
   AREA                 21.   NCENT LARGE             648.0000       46.2857         6.1322        37.6044   (    14)
   AREA                 22.   NCENT MEDIUM             87.0000       43.5000         4.9497        24.5000   (     2)
   AREA                 24.   NCENT RURAL             289.0000       48.1667        10.6097       112.5667   (     6)
   AREA                 31.   SOUTH LARGE              54.0000       54.0000              0              0   (     1)
   AREA                 33.   SOUTH SMALL              49.0000       49.0000              0              0   (     1)
   AREA                 43.   WEST SMALL               48.0000       48.0000              0              0   (     1)

AGE                     15.   SEVEN AND ONE HALF      229.0000       45.8000         5.2631        27.7000   (     5)
   AREA                 11.   NE LARGE                 52.0000       52.0000              0              0   (     1)
   AREA                 12.   NE MEDIUM                49.0000       49.0000              0              0   (     1)
   AREA                 21.   NCENT LARGE              86.0000       43.0000         5.6569        32.0000   (     2)
   AREA                 24.   NCENT RURAL              42.0000       42.0000              0              0   (     1)

AGE                     16.   EIGHT                    51.0000       51.0000              0              0   (     1)
   AREA                 43.   WEST SMALL               51.0000       51.0000              0              0   (     1)

AGE                     17.                            85.0000       42.5000        10.6066       112.5000   (     2)
   AREA                 22.   NCENT MEDIUM             50.0000       50.0000              0              0   (     1)
   AREA                 24.   NCENT RURAL              35.0000       35.0000              0              0   (     1)
```

A-4-162 (cont.)

```
    VARIABLE              CODE    VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE       N

AGE                          10.                           45,0000       45.0000           0            0    (       1)
   AREA                      21.  NCENT LARGE              45,0000       45.0000           0            0    (       1)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA       STAND SC MAT TOTAL MATH
   BROKEN DOWN BY    AGE          AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
               BY    AREA         REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                 SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   153133.0000       51.1295       11.2374       126.2791    (  2995)

AGE                       -99.                             153.0000       51.0000       10.0000       100.0000    (     3)
   AREA                    11.   NE LARGE                   41.0000       41.0000             0              0    (     1)
   AREA                    21.   NCENT LARGE                51.0000       51.0000             0              0    (     1)
   AREA                    42.   WEST MEDIUM                61.0000       61.0000             0              0    (     1)

AGE                         8.   FOUR                      190.0000       47.5000       20.4695       419.0000    (     4)
   AREA                    11.   NE LARGE                   85.0000       42.5000       24.7487       612.5000    (     2)
   AREA                    13.   NE SMALL                   69.0000       69.0000             0              0    (     1)
   AREA                    31.   SOUTH LARGE                36.0000       36.0000             0              0    (     1)

AGE                         9.   FOUR AND ONE HALF        2121.0000       48.2045       12.1188       146.8642    (    44)
   AREA                    11.   NE LARGE                 1708.0000       47.4444       12.3923       153.5683    (    36)
   AREA                    12.   NE MEDIUM                  60.0000       60.0000             0              0    (     1)
   AREA                    13.   NE SMALL                  174.0000       58.0000        9.1652        84.0000    (     3)
   AREA                    21.   NCENT LARGE                59.0000       59.0000             0              0    (     1)
   AREA                    31.   SOUTH LARGE                79.0000       39.5000        2.1213         4.5000    (     2)
   AREA                    42.   WEST MEDIUM                41.0000       41.0000             0              0    (     1)

AGE                        10.   FIVE                    56257.0000       49.7409       10.8699       118.1550    (  1131)
   AREA                    11.   NE LARGE                24021.0000       47.9461       10.1593       103.2111    (   501)
   AREA                    12.   NE MEDIUM                4302.0000       50.0233       11.8817       141.1759    (    86)
   AREA                    13.   NE SMALL                 5683.0000       55.1748       11.2533       126.6358    (   103)
   AREA                    21.   NCENT LARGE              2735.0000       47.9825       11.8826       141.1961    (    57)
   AREA                    22.   NCENT MEDIUM             4684.0000       53.8391       10.4724       109.6715    (    87)
   AREA                    24.   NCENT RURAL              2470.0000       54.8889        9.3717        87.8283    (    45)
   AREA                    31.   SOUTH LARGE              3303.0000       42.3462        8.5491        73.0864    (    78)
   AREA                    33.   SOUTH SMALL              3348.0000       57.7241        9.8796        97.6068    (    58)
   AREA                    34.   SOUTH RURAL              1041.0000       45.2609        9.0865        82.5652    (    23)
   AREA                    41.   WEST LARGE                652.0000       50.1538        9.6768        93.6410    (    13)
   AREA                    42.   WEST MEDIUM              1842.0000       52.6286        8.9017        79.2403    (    35)
   AREA                    43.   WEST SMALL               2176.0000       48.3556        7.7874        60.6434    (    45)

AGE                        11.   FIVE AND ONE HALF       68836.0000       51.8343       11.1849       125.1014    (  1328)
   AREA                    11.   NE LARGE                22388.0000       50.4234       10.4765       109.7571    (   444)
   AREA                    12.   NE MEDIUM                5925.0000       52.4336       11.8366       140.1049    (   113)
   AREA                    13.   NE SMALL                 4993.0000       54.2717       11.6799       136.4199    (    92)
   AREA                    21.   NCENT LARGE              4306.0000       50.0698       11.0185       121.4068    (    86)
   AREA                    22.   NCENT MEDIUM             7055.0000       53.8550        9.8700        97.4173    (   131)
   AREA                    24.   NCENT RURAL              5632.0000       58.6667       11.0774       122.7088    (    96)
   AREA                    31.   SOUTH LARGE              3975.0000       42.2872        8.4429        71.2822    (    94)
   AREA                    33.   SOUTH SMALL              5868.0000       57.5294       10.8525       117.7764    (   102)
   AREA                    34.   SOUTH RURAL               631.0000       45.0714       10.1486       102.9945    (    14)
```

A-4-163 (cont.)

```
   VARIABLE            CODE   VALUE LABEL                  SUM         MEAN      STD DEV      VARIANCE        N

     AREA               41.   WEST LARGE              778.0000      48.6250      10.7386      115.3147   (    16)
     AREA               42.   WEST MEDIUM            4208.0000      53.9487      10.5152      110.5688   (    78)
     AREA               43.   WEST SMALL             3077.0000      49.6290       8.5377       72.8929   (    62)

  AGE                   12.   SIX                   19991.0000      54.1762      11.7630      138.3683   (   369)
     AREA               11.   NE LARGE                561.0000      43.1538       8.3551       69.8077   (    13)
     AREA               12.   NE MEDIUM               556.0000      46.3333      10.1115      102.2424   (    12)
     AREA               13.   NE SMALL               1402.0000      50.0714      15.5800      242.7354   (    28)
     AREA               21.   NCENT LARGE            3608.0000      54.6667      12.0656      145.5795   (    66)
     AREA               22.   NCENT MEDIUM           3382.0000      55.4426      10.7433      115.4175   (    61)
     AREA               24.   NCENT RURAL            4066.0000      58.9275      11.2398      126.3329   (    69)
     AREA               31.   SOUTH LARGE            1051.0000      45.6957       7.2012       51.8577   (    23)
     AREA               33.   SOUTH SMALL            1124.0000      62.4444       8.2834       68.6144   (    18)
     AREA               34.   SOUTH RURAL              53.0000      53.0000            0             0   (     1)
     AREA               41.   WEST LARGE              346.0000      57.6667      15.6801      245.8667   (     6)
     AREA               42.   WEST MEDIUM            2026.0000      56.2778       9.7354       94.7778   (    36)
     AREA               43.   WEST SMALL             1816.0000      50.4444       8.4361       71.1683   (    36)

  AGE                   13.   SIX AND ONE HALF       3820.0000      47.7500       9.8976       97.9620   (    80)
     AREA               11.   NE LARGE                517.0000      43.0833      12.2953      151.1742   (    12)
     AREA               12.   NE MEDIUM               204.0000      40.8000       7.3621       54.2000   (     5)
     AREA               13.   NE SMALL                152.0000      50.6667       6.0277       36.3333   (     3)
                        21.   NCENT LARGE             907.0000      47.7368       9.1763       84.2047   (    19)
     AREA               22.   NCENT MEDIUM            276.0000      46.0000      11.8996      141.6000   (     6)
     AREA               24.   NCENT RURAL             791.0000      52.7333       9.5802       91.7810   (    15)
     AREA               31.   SOUTH LARGE             410.0000      45.5556       8.6619       75.0278   (     9)
     AREA               33.   SOUTH SMALL             170.0000      56.6667       4.0415       16.3333   (     3)
     AREA               42.   WEST MEDIUM             144.0000      48.0000      12.4900      156.0000   (     3)
     AREA               43.   WEST SMALL              249.0000      49.8000       5.2631       27.7000   (     5)

  AGE                   14.   SEVEN                  1342.0000      49.7037      11.8185      139.6781   (    27)
     AREA               11.   NE LARGE                 52.0000      52.0000            0             0   (     1)
     AREA               12.   NE MEDIUM                58.0000      58.0000            0             0   (     1)
     AREA               21.   NCENT LARGE             711.0000      50.7857      11.8658      140.7967   (    14)
     AREA               22.   NCENT MEDIUM            104.0000      52.0000       1.4142        2.0000   (     2)
     AREA               24.   NCENT RURAL             296.0000      49.3333      15.4488      238.6667   (     6)
     AREA               31.   SOUTH LARGE              44.0000      44.0000            0             0   (     1)
     AREA               33.   SOUTH SMALL              49.0000      49.0000            0             0   (     1)
     AREA               43.   WEST SMALL               28.0000      28.0000            0             0   (     1)

  AGE                   15.   SEVEN AND ONE HALF      249.0000      49.8000      10.8950      118.7000   (     5)
     AREA               11.   NE LARGE                 67.0000      67.0000            0             0   (     1)
     AREA               12.   NE MEDIUM                52.0000      52.0000            0             0   (     1)
     AREA               21.   NCENT LARGE              90.0000      45.0000       5.6569       32.0000   (     2)
     AREA               24.   NCENT RURAL              40.0000      40.0000            0             0   (     1)

  AGE                   16.   EIGHT                    49.0000      49.0000            0             0   (     1)
     AREA               43.   WEST SMALL               49.0000      49.0000            0             0   (     1)

  AGE                   17.                            84.0000      42.0000       8.4853       72.0000   (     2)
     AREA               22.   NCENT MEDIUM             48.0000      48.0000            0             0   (     1)
     AREA               24.   NCENT RURAL              36.0000      36.0000            0             0   (     1)
```

A-4-163 (cont.)

```
   VARIABLE              CODE    VALUE LABEL                 SUM           MEAN         STD DEV        VARIANCE        N

AGE                         10.                          41.0000        41.0000               0               0   (     1)
  AREA                      21.  NCENT LARGE             41.0000        41.0000               0               0   (     1)

  TOTAL CASES =   12996
MISSING CASES =   10001 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    AGE         AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE             CODE     VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                   226369.0000       57.4395       13.2861      176.5195     ( 3941)

AGE                       -99.                              45.0000       45.0000             0             0     (    1)
   AREA                    12.   NE MEDIUM                  45.0000       45.0000             0             0     (    1)

AGE                         8.   FOUR                      268.0000       67.0000        9.0921       82.6667     (    4)
   AREA                    11.   NE LARGE                  213.0000       71.0000        5.2915       28.0000     (    3)
   AREA                    31.   SOUTH LARGE                55.0000       55.0000             0             0     (    1)

AGE                         9.   FOUR AND ONE HALF        2361.0000       56.2143       13.3280      177.6359     (   42)
   AREA                    11.   NE LARGE                 1820.0000       53.5294       11.3304      128.3779     (   34)
   AREA                    12.   NE MEDIUM                 202.0000       67.3333        6.3509       40.3333     (    3)
   AREA                    13.   NE SMALL                   71.0000       71.0000             0             0     (    1)
   AREA                    21.   NCENT LARGE                41.0000       41.0000             0             0     (    1)
   AREA                    22.   NCENT MEDIUM               81.0000       81.0000             0             0     (    1)
   AREA                    31.   SOUTH LARGE                54.0000       54.0000             0             0     (    1)
   AREA                    44.   WEST RURAL                 92.0000       92.0000             0             0     (    1)

AGE                        10.   FIVE                    79558.0000       56.3841       12.3827      153.3318     ( 1411)
   AREA                    11.   NE LARGE                22742.0000       53.8910       11.0792      122.7482     (  422)
   AREA                    12.   NE MEDIUM                7370.0000       57.5781       11.8319      139.9938     (  128)
   AREA                    13.   NE SMALL                 4536.0000       63.8873       13.8033      190.5300     (   71)
   AREA                    21.   NCENT LARGE              5194.0000       54.1042       13.0307      169.7996     (   96)
   AREA                    22.   NCENT MEDIUM             6465.0000       60.9906       12.9508      167.7237     (  106)
   AREA                    24.   NCENT RURAL              4282.0000       64.8788        9.8411       96.8466     (   66)
   AREA                    31.   SOUTH LARGE              8084.0000       48.4072       11.0160      121.3513     (  167)
   AREA                    33.   SOUTH SMALL              4501.0000       64.3000       10.4456      109.1116     (   70)
   AREA                    34.   SOUTH RURAL              2817.0000       53.1509        8.8522       78.3614     (   53)
   AREA                    41.   WEST LARGE               4303.0000       55.8831       11.2425      126.3941     (   77)
   AREA                    42.   WEST MEDIUM              3904.0000       59.1515        9.6257       92.6536     (   66)
   AREA                    43.   WEST SMALL               2964.0000       53.8909        9.0096       81.1731     (   55)
   AREA                    44.   WEST RURAL               2396.0000       70.4706       11.1661      124.6809     (   34)

AGE                        11.   FIVE AND ONE HALF      100739.0000       57.9626       13.4995      182.2364     ( 1738)
   AREA                    11.   NE LARGE                19536.0000       55.3428       11.6954      136.7827     (  353)
   AREA                    12.   NE MEDIUM                9478.0000       61.1484       13.1316      172.4389     (  155)
   AREA                    13.   NE SMALL                 4330.0000       61.8571       13.8703      192.3851     (   70)
   AREA                    21.   NCENT LARGE              7132.0000       54.0303       12.6074      158.9456     (  132)
   AREA                    22.   NCENT MEDIUM            10813.0000       61.0904       12.9296      167.1736     (  177)
   AREA                    24.   NCENT RURAL              9486.0000       67.7571       13.2126      174.5737     (  140)
   AREA                    31.   SOUTH LARGE              9709.0000       47.5931       10.9331      119.5332     (  204)
   AREA                    33.   SOUTH SMALL              6642.0000       66.4200       12.1740      148.2057     (  100)
   AREA                    34.   SOUTH RURAL              2982.0000       52.3158        8.9546       80.1842     (   57)
   AREA                    41.   WEST LARGE               4551.0000       55.5000       11.6875      136.5988     (   82)
```

A-4-164 (cont.)

```
VARIABLE              CODE   VALUE LABEL                 SUM          MEAN      STD DEV     VARIANCE       N

   AREA                 42.  WEST MEDIUM            8355.0000       60.9854     13.1624     173.2498   (   137)
   AREA                 43.  WEST SMALL             4256.0000       53.2000     10.8726     118.2127   (    80)
   AREA                 44.  WEST RURAL             3469.0000       68.0196      9.7724      95.4996   (    51)

AGE                     12.  SIX                   35399.0000       59.7956     14.4546     208.9345   (   592)
   AREA                 11.  NE LARGE                499.0000       45.3636      8.6055      74.0545   (    11)
   AREA                 12.  NE MEDIUM              1863.0000       54.7941      8.2857      68.6533   (    34)
   AREA                 13.  NE SMALL                807.0000       53.8000      9.3442      87.3143   (    15)
   AREA                 21.  NCENT LARGE            4335.0000       61.0563     13.6914     187.4539   (    71)
   AREA                 22.  NCENT MEDIUM           4764.0000       62.6842     13.9315     194.0856   (    76)
   AREA                 24.  NCENT RURAL            6661.0000       65.9505     12.8159     164.2475   (   101)
   AREA                 31.  SOUTH LARGE            2167.0000       43.3400     12.0095     144.2290   (    50)
   AREA                 33.  SOUTH SMALL            1614.0000       67.2500     12.1914     148.6304   (    24)
   AREA                 34.  SOUTH RURAL            1356.0000       56.5000      8.5109      72.4348   (    24)
   AREA                 41.  WEST LARGE              998.0000       58.7059     15.0904     227.7206   (    17)
   AREA                 42.  WEST MEDIUM            4928.0000       63.1795     13.2192     174.7466   (    78)
   AREA                 43.  WEST SMALL             2149.0000       52.4146     12.8802     165.8988   (    41)
   AREA                 44.  WEST RURAL             3258.0000       65.1600     15.1783     230.3820   (    50)

AGE                     13.  SIX AND ONE HALF       5428.0000       53.2157     12.7121     161.5966   (   102)
   AREA                 11.  NE LARGE                542.0000       54.2000     16.0194     256.6222   (    10)
   AREA                 12.  NE MEDIUM               502.0000       55.7778      8.3033      68.9444   (     9)
   AREA                 13.  NE SMALL                 69.0000       34.5000     14.8492     220.5000   (     2)
   AREA                 21.  NCENT LARGE             363.0000       45.3750     14.3819     206.8393   (     8)
   AREA                 22.  NCENT MEDIUM            592.0000       53.8182     11.6518     135.7636   (    11)
   AREA                 24.  NCENT RURAL            1363.0000       59.2609     11.0709     122.5652   (    23)
   AREA                 31.  SOUTH LARGE             477.0000       47.7000     10.4568     109.3444   (    10)
   AREA                 33.  SOUTH SMALL             240.0000       60.0000      8.4853      72.0000   (     4)
   AREA                 41.  WEST LARGE              194.0000       64.6667     18.0093     324.3333   (     3)
   AREA                 42.  WEST MEDIUM             502.0000       50.2000     10.5809     111.9556   (    10)
   AREA                 43.  WEST SMALL              468.0000       46.8000     11.9981     143.9556   (    10)
   AREA                 44.  WEST RURAL              116.0000       58.0000      7.0711      50.0000   (     2)

AGE                     14.  SEVEN                  1918.0000       51.8378      9.4854      89.9730   (    37)
   AREA                 11.  NE LARGE                 41.0000       41.0000           0            0   (     1)
   AREA                 12.  NE MEDIUM               387.0000       48.3750      6.2550      39.1250   (     8)
   AREA                 22.  NCENT MEDIUM            322.0000       53.6667      6.1210      37.4667   (     6)
   AREA                 24.  NCENT RURAL             559.0000       50.8182      9.7141      94.3636   (    11)
   AREA                 31.  SOUTH LARGE             112.0000       56.0000      9.8995      98.0000   (     2)
   AREA                 33.  SOUTH SMALL              94.0000       47.0000     15.5563     242.0000   (     2)
   AREA                 41.  WEST LARGE               54.0000       54.0000           0            0   (     1)
   AREA                 42.  WEST MEDIUM              57.0000       57.0000           0            0   (     1)
   AREA                 43.  WEST SMALL               43.0000       43.0000           0            0   (     1)
   AREA                 44.  WEST RURAL              249.0000       62.2500     14.4309     208.2500   (     4)

AGE                     15.  SEVEN AND ONE HALF      479.0000       47.9000     10.9489     119.8778   (    10)
   AREA                 12.  NE MEDIUM               264.0000       52.8000      8.4083      70.7000   (     5)
   AREA                 24.  NCENT RURAL             105.0000       52.5000      3.5355      12.5000   (     2)
   AREA                 31.  SOUTH LARGE              48.0000       48.0000           0            0   (     1)
   AREA                 33.  SOUTH SMALL              26.0000       26.0000           0            0   (     1)
   AREA                 43.  WEST SMALL               36.0000       36.0000           0            0   (     1)

AGE                     16.  EIGHT                    74.0000       37.0000     18.3848     338.0000   (     2)
   AREA                 42.  WEST MEDIUM              24.0000       24.0000           0            0   (     1)
```

A-4-164 (cont.)

```
 VARIABLE              CODE   VALUE LABEL               SUM          MEAN        STD DEV      VARIANCE        N

  AREA                   43.  WEST SMALL            50.0000       50.0000             0             0    (      1)

GE                       17.                        49.0000       49.0000             0             0    (      1)
  AREA                   44.  WEST RURAL            49.0000       49.0000             0             0    (      1)

GE                       21.                        51.0000       51.0000             0             0    (      1)
  AREA                   42.  WEST MEDIUM           51.0000       51.0000             0             0    (      1)

 TOTAL CASES =    12996
ISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB      STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   AGE          AGE AT ENTRY BROKEN INTO 6-MO. INTERVALS
                BY   AREA         REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE                CODE    VALUE LABEL                SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                    249263.0000       63.2487       12.9306      167.2006   (  3941)

AGE                         -99.                             68.0000       68.0000        0            0         (     1)
   AREA                      12.   NE MEDIUM                 68.0000       68.0000        0            0         (     1)

AGE                           8.   FOUR                     298.0000       74.5000       13.8203      191.0000   (     4)
   AREA                      11.   NE LARGE                 244.0000       81.3333        2.5166        6.3333   (     3)
   AREA                      31.   SOUTH LARGE               54.0000       54.0000        0            0         (     1)

AGE                           9.   FOUR AND ONE HALF       2634.0000       62.7143       11.6750      136.3066   (    42)
   AREA                      11.   NE LARGE                2072.0000       60.9412       10.9377      119.6328   (    34)
   AREA                      12.   NE MEDIUM                212.0000       70.6667        3.0551        9.3333   (     3)
   AREA                      13.   NE SMALL                  70.0000       70.0000        0            0         (     1)
   AREA                      21.   NCENT LARGE               57.0000       57.0000        0            0         (     1)
   AREA                      22.   NCENT MEDIUM              89.0000       89.0000        0            0         (     1)
   AREA                      31.   SOUTH LARGE               51.0000       51.0000        0            0         (     1)
   AREA                      44.   WEST RURAL                83.0000       83.0000        0            0         (     1)

AGE                          10.   FIVE                   87079.0000       61.7144       12.5238      156.8453   (  1411)
   AREA                      11.   NE LARGE               24991.0000       59.2204       11.6685      136.1532   (   422)
   AREA                      12.   NE MEDIUM               8241.0000       64.3828       12.1986      148.8051   (   128)
   AREA                      13.   NE SMALL                4760.0000       67.0423       13.5588      183.8410   (    71)
   AREA                      21.   NCENT LARGE             5695.0000       59.3229       12.3361      152.1788   (    96)
   AREA                      22.   NCENT MEDIUM            7110.0000       67.0755       11.7827      138.8323   (   106)
   AREA                      24.   NCENT RURAL             4652.0000       70.4848        9.3005       86.4998   (    66)
   AREA                      31.   SOUTH LARGE             9068.0000       54.2994       10.2754      105.5845   (   167)
   AREA                      33.   SOUTH SMALL             4913.0000       70.1857       12.5748      158.1244   (    70)
   AREA                      34.   SOUTH RURAL             3123.0000       58.9245        9.3969       88.3019   (    53)
   AREA                      41.   WEST LARGE              4717.0000       61.2597       11.9532      142.8790   (    77)
   AREA                      42.   WEST MEDIUM             4077.0000       61.7727       11.7667      138.4552   (    66)
   AREA                      43.   WEST SMALL              3207.0000       58.3091       10.0993      101.9951   (    55)
   AREA                      44.   WEST RURAL              2525.0000       74.2647       11.2285      126.0793   (    34)

AGE                          11.   FIVE AND ONE HALF     111075.0000       63.9097       13.0912      171.3787   (  1738)
   AREA                      11.   NE LARGE               21748.0000       61.6091       12.0099      144.2389   (   353)
   AREA                      12.   NE MEDIUM              10526.0000       67.9097       13.9509      194.6282   (   155)
   AREA                      13.   NE SMALL                4589.0000       65.5571       12.2777      150.7431   (    70)
   AREA                      21.   NCENT LARGE             7879.0000       59.6894       11.8374      140.1242   (   132)
   AREA                      22.   NCENT MEDIUM           11921.0000       67.3503       11.5798      134.0925   (   177)
   AREA                      24.   NCENT RURAL            10250.0000       73.2143       10.3227      106.5581   (   140)
   AREA                      31.   SOUTH LARGE            11142.0000       54.6176        9.9338       98.6807   (   204)
   AREA                      33.   SOUTH SMALL             7340.0000       73.4000       10.8971      118.7475   (   100)
   AREA                      34.   SOUTH RURAL             3350.0000       58.7719       12.1890      148.5721   (    57)
   AREA                      41.   WEST LARGE              4924.0000       60.0488       10.8376      117.4544   (    82)
```

A-4-165 (cont.)

```
   VARIABLE              CODE   VALUE LABEL                   SUM           MEAN        STD DEV       VARIANCE        N

    AREA                  42.   WEST MEDIUM               8874.0000        64.7737       13.9463       194.4999   (   137)
    AREA                  43.   WEST SMALL                4712.0000        58.9000       11.6667       136.0658   (    80)
    AREA                  44.   WEST RURAL                3820.0000        74.9020        9.1897        84.4542   (    51)

 AGE                      12.   SIX                      38952.0000        65.7973       13.2422       175.3565   (   592)
    AREA                  11.   NE LARGE                   590.0000        53.6364        8.9808        80.6545   (    11)
    AREA                  12.   NE MEDIUM                 2046.0000        60.1765       11.4877       131.9479   (    34)
    AREA                  13.   NE SMALL                   829.0000        55.2667       16.2853       265.2095   (    15)
    AREA                  21.   NCENT LARGE               4588.0000        64.6197       11.9096       141.8390   (    71)
    AREA                  22.   NCENT MEDIUM              5348.0000        70.3684       11.2982       127.6491   (    76)
    AREA                  24.   NCENT RURAL               7263.0000        71.9109       10.8130       116.9220   (   101)
    AREA                  31.   SOUTH LARGE               2598.0000        51.9600        9.0010        81.0180   (    50)
    AREA                  33.   SOUTH SMALL               1818.0000        75.7500        9.8566        97.1522   (    24)
    AREA                  34.   SOUTH RURAL               1572.0000        65.5000        8.5516        73.1304   (    24)
    AREA                  41.   WEST LARGE                1139.0000        67.0000       14.4612       209.1250   (    17)
    AREA                  42.   WEST MEDIUM               5202.0000        66.6923       13.0178       169.4625   (    78)
    AREA                  43.   WEST SMALL                2413.0000        58.8537       11.1972       125.3780   (    41)
    AREA                  44.   WEST RURAL                3546.0000        70.9200       13.6394       186.0343   (    50)

 AGE                      13.   SIX AND ONE HALF          6144.0000        60.2353       11.5640       133.7263   (   102)
    AREA                  11.   NE LARGE                   602.0000        60.2000       12.1546       147.7333   (    10)
    AREA                  12.   NE MEDIUM                  541.0000        60.1111        7.3220        53.6111   (     9)
    AREA                  13.   NE SMALL                    84.0000        42.0000        1.4142         2.0000   (     2)
    AREA                  21.   NCENT LARGE                463.0000        57.8750       10.9471       119.8393   (     8)
    AREA                  22.   NCENT MEDIUM               653.0000        59.3636       14.4310       208.2545   (    11)
    AREA                  24.   NCENT RURAL               1548.0000        67.3043        9.2561        85.6759   (    23)
    AREA                  31.   SOUTH LARGE                541.0000        54.1000       11.3866       129.6556   (    10)
    AREA                  33.   SOUTH SMALL                264.0000        66.0000        4.7610        22.6667   (     4)
    AREA                  41.   WEST LARGE                 221.0000        73.6667       17.8979       320.3333   (     3)
    AREA                  42.   WEST MEDIUM                540.0000        54.0000        7.5572        57.1111   (    10)
    AREA                  43.   WEST SMALL                 556.0000        55.6000        7.8344        61.3778   (    10)
    AREA                  44.   WEST RURAL                 131.0000        65.5000       20.5061       420.5000   (     2)

 AGE                      14.   SEVEN                     2229.0000        60.2432       11.4804       131.8003   (    37)
    AREA                  11.   NE LARGE                    44.0000        44.0000        0              0         (     1)
    AREA                  12.   NE MEDIUM                  456.0000        57.0000       12.4097       154.0000   (     8)
    AREA                  22.   NCENT MEDIUM               392.0000        65.3333        7.6594        58.6667   (     6)
    AREA                  24.   NCENT RURAL                681.0000        61.9091       11.6315       135.2909   (    11)
    AREA                  31.   SOUTH LARGE                101.0000        50.5000        9.1924        84.5000   (     2)
    AREA                  33.   SOUTH SMALL                118.0000        59.0000        8.4853        72.0000   (     2)
    AREA                  41.   WEST LARGE                  67.0000        67.0000        0              0         (     1)
    AREA                  42.   WEST MEDIUM                 62.0000        62.0000        0              0         (     1)
    AREA                  43.   WEST SMALL                  48.0000        48.0000        0              0         (     1)
    AREA                  44.   WEST RURAL                 260.0000        65.0000       16.8127       282.6667   (     4)

 AGE                      15.   SEVEN AND ONE HALF         567.0000        56.7000       11.7194       137.3444   (    10)
    AREA                  12.   NE MEDIUM                  296.0000        59.2000       14.0961       198.7000   (     5)
    AREA                  24.   NCENT RURAL                112.0000        56.0000        8.4853        72.0000   (     2)
    AREA                  31.   SOUTH LARGE                 45.0000        45.0000        0              0         (     1)
    AREA                  33.   SOUTH SMALL                 47.0000        47.0000        0              0         (     1)
    AREA                  43.   WEST SMALL                  67.0000        67.0000        0              0         (     1)

 AGE                      16.   EIGHT                      109.0000        54.5000        6.3640        40.5000   (     2)
    AREA                  42.   WEST MEDIUM                 59.0000        59.0000        0              0         (     1)
```

A-4-165 (cont.)

```
VARIABLE              CODE   VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE       N
  AREA                  43.  WEST SMALL           50.0000       50.0000           0             0    (      1)

AGE                     17.                       62.0000       62.0000           0             0    (      1)
  AREA                  44.  WEST RURAL           62.0000       62.0000           0             0    (      1)

AGE                     21.                       46.0000       46.0000           0             0    (      1)
  AREA                  42.  WEST MEDIUM          46.0000       46.0000           0             0    (      1)

 TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                    SUM          MEAN       STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                                    250957.0000       28.2577       13.0889     171.3195   ( 8881)

LANGUAG                   -99.    UNKNOWN                  6877.0000       33.5463       13.9475     194.5334   (  205)
    AREA                   11.    NE LARGE                 3191.0000       33.5895       14.0436     197.2233   (   95)
    AREA                   12.    NE MEDIUM                  95.0000       31.6667       12.0554     145.3333   (    3)
    AREA                   21.    NCENT LARGE              1489.0000       32.3696       14.7201     216.6826   (   46)
    AREA                   22.    NCENT MEDIUM               17.0000       17.0000             0            0   (    1)
    AREA                   24.    NCENT RURAL               934.0000       34.5926       11.8557     140.5584   (   27)
    AREA                   31.    SOUTH LARGE               196.0000       28.0000       12.1106     146.6667   (    7)
    AREA                   34.    SOUTH RURAL                60.0000       30.0000       11.3137     128.0000   (    2)
    AREA                   41.    WEST LARGE                895.0000       37.2917       15.4455     238.5634   (   24)

LANGUAG                     1.    ENGLISH                230545.0000       28.3748       13.0435     170.1317   ( 8125)
    AREA                   11.    NE LARGE                58326.0000       27.5513       12.5092     156.4800   ( 2117)
    AREA                   12.    NE MEDIUM               18014.0000       28.3685       12.7370     162.2299   (  635)
    AREA                   13.    NE SMALL                 9724.0000       29.9200       13.6752     187.0121   (  325)
    AREA                   21.    NCENT LARGE             30271.0000       28.0547       12.8937     166.2486   ( 1079)
    AREA                   22.    NCENT MEDIUM            26518.0000       31.8726       13.2299     175.0307   (  832)
    AREA                   24.    NCENT RURAL             12758.0000       32.0553       14.4354     208.3799   (  398)
    AREA                   31.    SOUTH LARGE             18015.0000       21.2191       11.0282     121.6218   (  849)
    AREA                   33.    SOUTH SMALL              6454.0000       28.1834       13.2629     175.9048   (  229)
    AREA                   34.    SOUTH RURAL              3158.0000       23.2206       10.4013     108.1880   (  136)
    AREA                   41.    WEST LARGE              16491.0000       31.6526       12.3393     152.2579   (  521)
    AREA                   42.    WEST MEDIUM             16113.0000       30.8088       13.0543     170.4155   (  523)
    AREA                   43.    WEST SMALL               9954.0000       27.8045       12.1789     148.3259   (  358)
    AREA                   44.    WEST RURAL               4749.0000       38.6098       10.9340     119.5514   (  123)

LANGUAG                     2.    SPANISH                 10365.0000       23.1362       11.3971     129.8942   (  448)
    AREA                   11.    NE LARGE                 3095.0000       23.9922       12.1742     148.2109   (  129)
    AREA                   12.    NE MEDIUM                 198.0000       18.0000       10.8628     118.0000   (   11)
    AREA                   13.    NE SMALL                   32.0000       16.0000        2.8284       8.0000   (    2)
    AREA                   21.    NCENT LARGE               234.0000       29.2500       11.2091     125.6429   (    8)
    AREA                   22.    NCENT MEDIUM              907.0000       18.1400        9.1473      83.6739   (   50)
    AREA                   31.    SOUTH LARGE               475.0000       19.7917        8.5769      73.5634   (   24)
    AREA                   34.    SOUTH RURAL              1204.0000       21.1228       11.4175     130.3596   (   57)
    AREA                   41.    WEST LARGE               2350.0000       29.0123       10.9516     119.9373   (   81)
    AREA                   42.    WEST MEDIUM               625.0000       22.3214        9.2137      84.8929   (   28)
    AREA                   43.    WEST SMALL               1208.0000       21.1930       10.5972     112.3014   (   57)
    AREA                   44.    WEST RURAL                 37.0000       37.0000             0            0   (    1)

LANGUAG                     3.    OTHER                    3170.0000       30.7767       15.0717     227.1555   (  103)
    AREA                   11.    NE LARGE                 1537.0000       35.7442       13.5683     184.0997   (   43)
    AREA                   12.    NE MEDIUM                 695.0000       20.4412        9.2218      85.0419   (   34)
```

A-4-166 (cont.)

```
 VARIABLE              CODE   VALUE LABEL                   SUM          MEAN        STD DEV      VARIANCE        N

AREA                    21.  NCENT LARGE               97.0000       48.5000        30.4056      924.5000   (     2)
AREA                    22.  NCENT MEDIUM               8.0000        8.0000              0             0   (     1)
AREA                    24.  NCENT RURAL               48.0000       24.0000        22.6274      512.0000   (     2)
AREA                    41.  WEST LARGE               485.0000       40.4167        14.6067      213.3561   (    12)
AREA                    42.  WEST MEDIUM               31.0000       31.0000              0             0   (     1)
AREA                    43.  WEST SMALL               269.0000       33.6250        15.7474      247.9821   (     8)
 TOTAL CASES =    12996
MISSING CASES =    4115 OR  31.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SKW        SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
                BY    AREA   :   REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     VARIABLE              CODE     VALUE LABEL                  SUM            MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                    170730.0000         33.3327        12.8089       164.0674    ( 5122)

LANGUAG                    -99.     UNKNOWN                3271.0000         31.1524        13.4835       181.8035    (  105)
   AREA                     11.     NE LARGE               1020.0000         31.8750        13.8698       192.3710    (   32)
   AREA                     12.     NE MEDIUM               155.0000         25.8333         8.8412        78.1667    (    6)
   AREA                     21.     NCENT LARGE            1673.0000         31.5660        12.2718       150.5965    (   53)
   AREA                     24.     NCENT RURAL              56.0000         18.6667        12.0554       145.3333    (    3)
   AREA                     31.     SOUTH LARGE             156.0000         31.2000        14.9566       223.7000    (    5)
   AREA                     42.     WEST MEDIUM             211.0000         35.1667        23.5662       555.3667    (    6)

LANGUAG                      1.     ENGLISH              161634.0000         33.5828        12.8116       164.1364    ( 4813)
   AREA                     11.     NE LARGE              31320.0000         32.0245        12.7506       162.5747    (  978)
   AREA                     12.     NE MEDIUM             14716.0000         36.6070        13.0252       149.6556    (  402)
   AREA                     13.     NE SMALL               9329.0000         34.5519        13.1087       171.8393    (  270)
   AREA                     21.     NCENT LARGE           21980.0000         33.8675        12.1578       147.8127    (  649)
   AREA                     22.     NCENT MEDIUM          24889.0000         38.7076        12.8181       164.3038    (  643)
   AREA                     24.     NCENT RURAL            9102.0000         37.9250        12.3473       152.4546    (  240)
   AREA                     31.     SOUTH LARGE           15092.0000         27.8965         9.7730        95.5115    (  541)
   AREA                     32.     SOUTH MEDIUM           4243.0000         29.2621         8.8483        78.2920    (  145)
   AREA                     33.     SOUTH SMALL            6281.0000         32.8848        13.9743       195.2814    (  191)
   AREA                     34.     SOUTH RURAL            2036.0000         24.2381        12.0567       145.3663    (   84)
   AREA                     41.     WEST LARGE             3944.0000         35.5315        14.0109       196.3058    (  111)
   AREA                     42.     WEST MEDIUM           11832.0000         34.6979        13.0893       171.3291    (  341)
   AREA                     43.     WEST SMALL             6870.0000         31.5138        11.7553       138.1864    (  218)

LANGUAG                      2.     SPANISH                3760.0000         26.1111        10.4320       108.8267    (  144)
   AREA                     11.     NE LARGE               1189.0000         23.3137        11.2044       125.5396    (   51)
   AREA                     12.     NE MEDIUM               298.0000         24.8333        12.2610       150.3333    (   12)
   AREA                     13.     NE SMALL                 32.0000         16.0000        11.3137       128.0000    (    2)
   AREA                     21.     NCENT LARGE             128.0000         42.6667         2.0817         4.3333    (    3)
   AREA                     22.     NCENT MEDIUM             72.0000         24.0000         7.8102        61.0000    (    3)
   AREA                     31.     SOUTH LARGE             345.0000         28.7500         7.1748        51.4773    (   12)
   AREA                     32.     SOUTH MEDIUM            162.0000         23.1429         9.2993        86.4762    (    7)
   AREA                     42.     WEST MEDIUM             666.0000         30.2727        11.8490       140.3983    (   22)
   AREA                     43.     WEST SMALL              868.0000         27.1250         6.5291        42.6290    (   32)

LANGUAG                      3.     OTHER                  2065.0000         34.4167        11.2856       127.3658    (   60)
   AREA                     11.     NE LARGE                 46.0000         23.0000         2.8284         8.0000    (    2)
   AREA                     12.     NE MEDIUM              1398.0000         35.8462        10.9461       119.8178    (   39)
   AREA                     22.     NCENT MEDIUM             32.0000         32.0000              0              0    (    1)
   AREA                     24.     NCENT RURAL              46.0000         46.0000              0              0    (    1)
   AREA                     41.     WEST LARGE              394.0000         32.8333        14.4401       208.5152    (   12)
   AREA                     42.     WEST MEDIUM              59.0000         29.5000         6.3640        40.5000    (    2)
```

A-4-167 (cont.)

```
 VARIABLE              CODE   VALUE LABEL                 SUM         MEAN        STD DEV      VARIANCE        N

AREA                    43.  WEST SMALL                90.0000     30.0000      1.0000       1.0000   (      3)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     VARIABLE             CODE     VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     123551.0000        26.5473       4.4723        20.0011    (  4654)

LANGUAG                   -99.     UNKNOWN                  2392.0000        25.7204       4.1920        17.5732    (    93)
    AREA                   11.     NE LARGE                  656.0000        26.2400       3.5856        12.8567    (    25)
    AREA                   12.     NE MEDIUM                 141.0000        23.5000       3.7283        13.9000    (     6)
    AREA                   21.     NCENT LARGE              1313.0000        25.7451       3.8618        14.9137    (    51)
    AREA                   24.     NCENT RURAL                44.0000        22.0000       2.8284         8.0000    (     2)
    AREA                   31.     SOUTH LARGE               114.0000        22.8000       4.0866        16.7000    (     5)
    AREA                   42.     WEST MEDIUM               124.0000        31.0000       8.1650        66.6667    (     4)

LANGUAG                     1.     ENGLISH                116765.0000        26.6040       4.5108        20.3477    (  4389)
    AREA                   11.     NE LARGE                21023.0000        26.1480       4.6192        21.3367    (   804)
    AREA                   12.     NE MEDIUM               10173.0000        27.0559       4.7827        22.8742    (   376)
    AREA                   13.     NE SMALL                 6930.0000        27.3913       4.3944        19.3106    (   253)
    AREA                   21.     NCENT LARGE             16462.0000        26.7675       4.3727        19.1201    (   615)
    AREA                   22.     NCENT MEDIUM            17091.0000        27.7451       4.8114        23.1496    (   616)
    AREA                   24.     NCENT RURAL              6437.0000        27.3915       4.4568        19.8632    (   235)
    AREA                   31.     SOUTH LARGE             11954.0000        24.3959       3.1698        10.0474    (   490)
    AREA                   32.     SOUTH MEDIUM             3663.0000        25.4375       3.2618        10.6394    (   144)
    AREA                   33.     SOUTH SMALL              4785.0000        26.7318       4.1591        17.2985    (   179)
    AREA                   34.     SOUTH RURAL              1113.0000        25.8837       4.5367        20.5814    (    43)
    AREA                   41.     WEST LARGE               2944.0000        27.2593       5.1689        26.7172    (   108)
    AREA                   42.     WEST MEDIUM              8804.0000        27.3416       4.9302        24.3066    (   322)
    AREA                   43.     WEST SMALL               5386.0000        26.4020       3.7397        13.9854    (   204)

LANGUAG                     2.     SPANISH                  2915.0000        25.1293       3.0347         9.2092    (   116)
    AREA                   11.     NE LARGE                  795.0000        24.8438       2.9524         8.7167    (    32)
    AREA                   12.     NE MEDIUM                 243.0000        24.3000       4.6440        21.5667    (    10)
    AREA                   13.     NE SMALL                   44.0000        22.0000       4.2426        18.0000    (     2)
    AREA                   21.     NCENT LARGE                89.0000        29.6667       3.0551         9.3333    (     3)
    AREA                   22.     NCENT MEDIUM               75.0000        25.0000       2.6458         7.0000    (     3)
    AREA                   31.     SOUTH LARGE               296.0000        24.6667       1.3707         1.8788    (    12)
    AREA                   32.     SOUTH MEDIUM              165.0000        23.5714       4.0766        16.6190    (     7)
    AREA                   42.     WEST MEDIUM               466.0000        25.8889       3.0465         9.2810    (    18)
    AREA                   43.     WEST SMALL                742.0000        25.5862       2.2283         4.9655    (    29)

LANGUAG                     3.     OTHER                    1479.0000        26.4107       3.7937        14.3919    (    56)
    AREA                   11.     NE LARGE                   18.0000        18.0000       0              0          (     1)
    AREA                   12.     NE MEDIUM                 966.0000        26.8333       3.7607        14.1429    (    36)
    AREA                   22.     NCENT MEDIUM               27.0000        27.0000       0              0          (     1)
    AREA                   24.     NCENT RURAL                35.0000        35.0000       0              0          (     1)
    AREA                   41.     WEST LARGE                305.0000        25.4167       3.3699        11.3561    (    12)
    AREA                   42.     WEST MEDIUM                53.0000        26.5000        .7071          .5000    (     2)
```

A-4-168 (cont.)

```
   VARIABLE               CODE   VALUE LABEL                 SUM          MEAN         STD DEV       VARIANCE        N

 AREA                       43.  WEST SMALL               75.0000       25.0000        1.0000        1.0000   (     3)

   TOTAL CASES =    12996
 MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                SUM           MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                   119208.0000       25.6141       4.5696        20.8813    (  4654)

LANGUAG                   -99.   UNKNOWN                  2379.0000       25.5806       4.8529        23.5505    (    93)
   AREA                    11.   NE LARGE                  679.0000       27.1600       5.7856        33.4733    (    25)
   AREA                    12.   NE MEDIUM                 136.0000       22.6667       4.3205        18.6667    (     6)
   AREA                    21.   NCENT LARGE              1275.0000       25.0000       4.2942        18.4400    (    51)
   AREA                    24.   NCENT RURAL                46.0000       23.0000       1.4142         2.0000    (     2)
   AREA                    31.   SOUTH LARGE               126.0000       25.2000       3.7014        13.7000    (     5)
   AREA                    42.   WEST MEDIUM               117.0000       29.2500       5.5603        30.9167    (     4)

LANGUAG                     1.   ENGLISH                112633.0000       25.6626       4.5701        20.8854    (  4389)
   AREA                    11.   NE LARGE                20899.0000       25.9938       4.4047        19.4010    (   804)
   AREA                    12.   NE MEDIUM               10018.0000       26.6436       4.3666        19.0673    (   376)
   AREA                    13.   NE SMALL                 6527.0000       25.7984       4.8365        23.3917    (   253)
   AREA                    21.   NCENT LARGE             15776.0000       25.6520       4.3726        19.1199    (   615)
   AREA                    22.   NCENT MEDIUM            16455.0000       26.7127       4.5618        20.8100    (   616)
   AREA                    24.   NCENT RURAL              6147.0000       26.1574       4.5363        20.5777    (   235)
   AREA                    31.   SOUTH LARGE             11671.0000       23.8184       4.1586        17.2941    (   490)
   AREA                    32.   SOUTH MEDIUM             3452.0000       23.9722       4.1425        17.1601    (   144)
   AREA                    33.   SOUTH SMALL              4468.0000       24.9609       4.7916        22.9591    (   179)
   AREA                    34.   SOUTH RURAL              1046.0000       24.3256       4.5811        20.9867    (    43)
   AREA                    41.   WEST LARGE               2826.0000       26.1667       4.9455        24.4579    (   108)
   AREA                    42.   WEST MEDIUM              8319.0000       25.8354       4.6465        21.5896    (   322)
   AREA                    43.   WEST SMALL               5029.0000       24.6520       4.7407        22.4743    (   204)

LANGUAG                     2.   SPANISH                  2701.0000       23.2845       4.0104        16.0836    (   116)
   AREA                    11.   NE LARGE                  768.0000       24.0000       3.6632        13.4194    (    32)
   AREA                    12.   NE MEDIUM                 241.0000       24.1000       4.8178        23.2111    (    10)
   AREA                    13.   NE SMALL                   32.0000       16.0000       1.4142         2.0000    (     2)
   AREA                    21.   NCENT LARGE                86.0000       28.6667       1.1547         1.3333    (     3)
   AREA                    22.   NCENT MEDIUM               61.0000       20.3333       3.2146        10.3333    (     3)
   AREA                    31.   SOUTH LARGE               280.0000       23.3333       3.5760        12.7879    (    12)
   AREA                    32.   SOUTH MEDIUM              135.0000       19.2857       4.1115        16.9048    (     7)
   AREA                    42.   WEST MEDIUM               445.0000       24.7222       3.6268        13.1536    (    18)
   AREA                    43.   WEST SMALL                653.0000       22.5172       3.4082        11.6158    (    29)

LANGUAG                     3.   OTHER                    1495.0000       26.6964       3.7991        14.4334    (    56)
   AREA                    11.   NE LARGE                   27.0000       27.0000            0              0    (     1)
   AREA                    12.   NE MEDIUM                 976.0000       27.1111       3.8380        14.7302    (    36)
   AREA                    22.   NCENT MEDIUM               23.0000       23.0000            0              0    (     1)
   AREA                    24.   NCENT RURAL                28.0000       28.0000            0              0    (     1)
   AREA                    41.   WEST LARGE                318.0000       26.5000       3.9886        15.9091    (    12)
   AREA                    42.   WEST MEDIUM                44.0000       22.0000       5.6569        32.0000    (     2)
```

A-4-169 (cont.)

```
  VARIABLE              CODE   VALUE LABEL            SUM        MEAN       STD DEV     VARIANCE       N

 AREA                     43.  WEST SMALL           79.0000    26.3333     1.5275      2.3333   (     3)

   TOTAL CASES =    12996
 MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMNA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

      VARIABLE              CODE     VALUE LABEL                SUM            MEAN         STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     105590.0000         22.6880          6.5407        42.7804    (  4654)

LANGUAG                      -99.    UNKNOWN                2072.0000         22.2796          5.9916        35.8993    (    93)
    AREA                      11.    NE LARGE                565.0000         22.6000          6.0277        36.3333    (    25)
    AREA                      12.    NE MEDIUM               112.0000         18.6667          5.4650        29.8667    (     6)
    AREA                      21.    NCENT LARGE            1128.0000         22.1176          5.7433        32.9859    (    51)
    AREA                      24.    NCENT RURAL              41.0000         20.5000          2.1213         4.5000    (     2)
    AREA                      31.    SOUTH LARGE             112.0000         22.4000          7.4699        55.8000    (     5)
    AREA                      42.    WEST MEDIUM             114.0000         28.5000          7.3258        53.6667    (     4)

LANGUAG                        1.    ENGLISH              100054.0000         22.7965          6.5259        42.5874    (  4389)
    AREA                      11.    NE LARGE              17988.0000         22.3731          6.5355        42.7124    (   804)
    AREA                      12.    NE MEDIUM              8799.0000         23.4016          6.6690        44.4756    (   376)
    AREA                      13.    NE SMALL               5773.0000         22.8182          6.3601        40.4509    (   253)
    AREA                      21.    NCENT LARGE           13849.0000         22.5187          6.0588        36.7093    (   615)
    AREA                      22.    NCENT MEDIUM          15630.0000         25.3734          6.8182        46.4880    (   616)
    AREA                      24.    NCENT RURAL            6110.0000         26.0000          5.6975        32.4615    (   235)
    AREA                      31.    SOUTH LARGE            9439.0000         19.2633          5.4640        29.8549    (   490)
    AREA                      32.    SOUTH MEDIUM           2889.0000         20.0625          4.6848        21.9471    (   144)
    AREA                      33.    SOUTH SMALL            3989.0000         22.2849          6.5705        43.1712    (   179)
    AREA                      34.    SOUTH RURAL             939.0000         21.8372          4.6901        21.9967    (    43)
    AREA                      41.    WEST LARGE             2473.0000         22.8981          6.5723        43.1951    (   108)
    AREA                      42.    WEST MEDIUM            7592.0000         23.5776          7.2285        52.2510    (   322)
    AREA                      43.    WEST SMALL             4584.0000         22.4706          4.9165        24.1715    (   204)

LANGUAG                        2.    SPANISH                2321.0000         20.0086          6.9476        48.2695    (   116)
    AREA                      11.    NE LARGE                606.0000         18.9375          8.8936        79.0927    (    32)
    AREA                      12.    NE MEDIUM               170.0000         17.0000          5.6372        31.7778    (    10)
    AREA                      13.    NE SMALL                 32.0000         16.0000          9.8995        98.0000    (     2)
    AREA                      21.    NCENT LARGE              70.0000         23.3333           .5774          .3333    (     3)
    AREA                      22.    NCENT MEDIUM             49.0000         16.3333          7.0238        49.3333    (     3)
    AREA                      31.    SOUTH LARGE             226.0000         18.8333          3.9734        15.7879    (    12)
    AREA                      32.    SOUTH MEDIUM            137.0000         19.5714          3.7796        14.2857    (     7)
    AREA                      42.    WEST MEDIUM             423.0000         23.5000          9.4698        89.6765    (    18)
    AREA                      43.    WEST SMALL              608.0000         20.9655          3.4588        11.9631    (    29)

LANGUAG                        3.    OTHER                  1143.0000         20.4107          6.2371        38.9010    (    56)
    AREA                      11.    NE LARGE                 21.0000         21.0000               0              0    (     1)
    AREA                      12.    NE MEDIUM               756.0000         21.0000          5.1989        27.0286    (    36)
    AREA                      22.    NCENT MEDIUM             21.0000         21.0000               0              0    (     1)
    AREA                      24.    NCENT RURAL              26.0000         26.0000               0              0    (     1)
    AREA                      41.    WEST LARGE              221.0000         18.4167          9.9404        98.8106    (    12)
    AREA                      42.    WEST MEDIUM              41.0000         20.5000           .7071          .5000    (     2)
```

A-4-170 (cont.)

```
  VARIABLE               CODE   VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

 AREA                      43.  WEST SMALL               57.0000       19.0000         2.0000         4.0000 . (      3)

  TOTAL CASES =   12996 .
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-171

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   155837.0000       37.1837      10.4335      108.8588    (  4191)

LANGUAG                    -99.   UNKNOWN                 1111.0000       30.0270       9.3229       86.9159    (    37)
   AREA                     11.   NE LARGE                 546.0000       30.3333       9.0359       81.6471    (    18)
   AREA                     21.   NCENT LARGE              129.0000       21.5000      11.6233      135.1000    (     6)
   AREA                     41.   WEST LARGE               367.0000       33.3636       6.1688       38.0545    (    11)
   AREA                     42.   WEST MEDIUM               41.0000       41.0000       0            0         (     1)
   AREA                     43.   WEST SMALL                28.0000       28.0000       0            0         (     1)

LANGUAG                      1.   ENGLISH               141500.0000       37.5332      10.5361      111.0104    (  3770)
   AREA                     11.   NE LARGE               50023.0000       36.0137      10.0271      100.5423    (  1389)
   AREA                     12.   NE MEDIUM              11281.0000       37.7291       9.3646       87.6948    (   299)
   AREA                     13.   NE SMALL                6560.0000       39.5181       9.7897       95.8391    (   166)
   AREA                     21.   NCENT LARGE            10020.0000       38.3908      10.8582      117.9005    (   261)
   AREA                     22.   NCENT MEDIUM           15996.0000       41.9843      10.7627      115.8366    (   381)
   AREA                     24.   NCENT RURAL            10452.0000       44.2881      10.7898      116.4188    (   236)
   AREA                     31.   SOUTH LARGE             7369.0000       30.8326       6.9926       48.8962    (   239)
   AREA                     33.   SOUTH SMALL             6821.0000       44.2922      11.8603      140.6657    (   154)
   AREA                     34.   SOUTH RURAL             2340.0000       36.0000       8.4816       71.9375    (    65)
   AREA                     41.   WEST LARGE             10113.0000       36.1179      10.1972      103.9825    (   280)
   AREA                     42.   WEST MEDIUM             4820.0000       38.2540      10.4690      109.5990    (   126)
   AREA                     43.   WEST SMALL              5705.0000       32.7874       7.4295       55.1973    (   174)

LANGUAG                      2.   SPANISH                11031.0000       33.5289       7.9072       62.5243    (   329)
   AREA                     11.   NE LARGE                3031.0000       32.9457       9.3260       86.9750    (    92)
   AREA                     12.   NE MEDIUM                 57.0000       28.5000       4.9497       24.5000    (     2)
   AREA                     21.   NCENT LARGE              305.0000       43.5714       7.4801       55.9524    (     7)
   AREA                     22.   NCENT MEDIUM            1047.0000       33.7742       7.1447       51.0473    (    31)
   AREA                     31.   SOUTH LARGE              257.0000       25.7000       6.9769       48.6778    (    10)
   AREA                     34.   SOUTH RURAL             2102.0000       35.6271       6.8955       47.5482    (    59)
   AREA                     41.   WEST LARGE              3021.0000       34.3295       6.8744       47.2580    (    88)
   AREA                     42.   WEST MEDIUM              241.0000       30.1250       6.2436       38.9821    (     8)
   AREA                     43.   WEST SMALL               970.0000       30.3125       5.6193       31.5766    (    32)

LANGUAG                      3.   OTHER                   2195.0000       39.9091      11.3240      128.2323    (    55)
   AREA                     11.   NE LARGE                 329.0000       41.1250      10.5077      110.4107    (     8)
   AREA                     12.   NE MEDIUM                932.0000       35.8462      10.5402      111.0954    (    26)
   AREA                     21.   NCENT LARGE              289.0000       48.1667       8.9536       80.1667    (     6)
   AREA                     22.   NCENT MEDIUM              53.0000       53.0000       0            0         (     1)
   AREA                     24.   NCENT RURAL               28.0000       28.0000       0            0         (     1)
   AREA                     41.   WEST LARGE               407.0000       45.2222      12.4074      153.9444    (     9)
   AREA                     43.   WEST SMALL               157.0000       39.2500      10.3722      107.5833    (     4)
  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
   BROKEN DOWN BY    LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE             CODE    VALUE LABEL                 SUM            MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  153729.0000       36.6807       11.7979      139.1911   (  4191)

LANGUAG                 -99.    UNKNOWN                  1093.0000       29.5405       11.1295      123.8664   (    37)
  AREA                   11.    NE LARGE                  598.0000       33.2222        9.0199       81.3595   (    18)
  AREA                   21.    NCENT LARGE               117.0000       19.5000        4.3243       18.7000   (     6)
  AREA                   41.    WEST LARGE                302.0000       27.4545       13.6775      187.0727   (    11)
  AREA                   42.    WEST MEDIUM                44.0000       44.0000        0             0        (     1)
  AREA                   43.    WEST SMALL                 32.0000       32.0000        0             0        (     1)

LANGUAG                   1.    ENGLISH                139927.0000       37.1159       11.9614      143.0746   (  3770)
  AREA                   11.    NE LARGE                52074.0000       37.4903       12.5477      157.4446   (  1389)
  AREA                   12.    NE MEDIUM               10636.0000       35.5719       11.1221      123.7020   (   299)
  AREA                   13.    NE SMALL                 6557.0000       39.5000       10.4827      109.8879   (   166)
  AREA                   21.    NCENT LARGE              9398.0000       36.0077       12.5346      157.1153   (   261)
  AREA                   22.    NCENT MEDIUM            15189.0000       39.8661       10.0888      101.7847   (   381)
  AREA                   24.    NCENT RURAL             10831.0000       45.8941       12.2753      150.6823   (   236)
  AREA                   31.    SOUTH LARGE              6721.0000       28.1213        8.9681       80.4266   (   239)
  AREA                   33.    SOUTH SMALL              6244.0000       40.5455       10.9103      119.0339   (   154)
  AREA                   34.    SOUTH RURAL              2042.0000       31.4154        9.2261       85.1216   (    65)
  AREA                   41.    WEST LARGE               9653.0000       34.4750        9.8155       96.3435   (   280)
  AREA                   42.    WEST MEDIUM              4890.0000       38.8095       11.3931      129.8034   (   126)
  AREA                   43.    WEST SMALL               5692.0000       32.7126        8.5645       73.3505   (   174)

LANGUAG                   2.    SPANISH                 10749.0000       32.6717        8.8353       78.0626   (   329)
  AREA                   11.    NE LARGE                 2917.0000       31.7065        9.0159       81.2866   (    92)
  AREA                   12.    NE MEDIUM                  68.0000       34.0000        2.8284        8.0000   (     2)
  AREA                   21.    NCENT LARGE               237.0000       33.8571        6.2029       38.4762   (     7)
  AREA                   22.    NCENT MEDIUM             1055.0000       34.0323        8.3126       69.0989   (    31)
  AREA                   31.    SOUTH LARGE               286.0000       28.6000        4.2216       17.8222   (    10)
  AREA                   34.    SOUTH RURAL              1898.0000       32.1695        7.8897       62.2466   (    59)
  AREA                   41.    WEST LARGE               3051.0000       34.6705       10.2506      105.0741   (    88)
  AREA                   42.    WEST MEDIUM               220.0000       27.5000        8.1591       66.5714   (     8)
  AREA                   43.    WEST SMALL               1017.0000       31.7813        7.1605       51.2732   (    32)

LANGUAG                   3.    OTHER                    1960.0000       35.6364       10.4976      110.1987   (    55)
  AREA                   11.    NE LARGE                  329.0000       41.1250       15.2546      232.6964   (     8)
  AREA                   12.    NE MEDIUM                 863.0000       33.1923        7.8180       61.1215   (    26)
  AREA                   21.    NCENT LARGE               246.0000       41.0000       13.0077      169.2000   (     6)
  AREA                   22.    NCENT MEDIUM               42.0000       42.0000        0             0        (     1)
  AREA                   24.    NCENT RURAL                23.0000       23.0000        0             0        (     1)
  AREA                   41.    WEST LARGE                310.0000       34.4444       10.5132      110.5278   (     9)
  AREA                   43.    WEST SMALL                147.0000       36.7500        9.6047       92.2500   (     4)

   TOTAL CASES =     12996
 MISSING CASES =      8805 OR  67.8 PCT.
```

A-4-173

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR     STAND SC 2ND GR MAT TOTAL READING
   BROKEN DOWN BY    LANGUAG   LANGUAGE SPOKEN AT HOME
               BY    AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    VARIABLE             CODE    VALUE LABEL                SUM           MEAN         STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                   145960.0000      48.7346      14.9501      223.5050   (  2995)

LANGUAG                  -99.   UNKNOWN                    347.0000      43.3750      15.4914      239.9821   (     8)
   AREA                   11.   NE LARGE                   167.0000      41.7500       7.8049       60.9167   (     4)
   AREA                   12.   NE MEDIUM                  118.0000      59.0000      15.5563      242.0000   (     2)
   AREA                   13.   NE SMALL                    46.0000      46.0000            0             0   (     1)
   AREA                   43.   WEST SMALL                  16.0000      16.0000            0             0   (     1)

LANGUAG                    1.   ENGLISH                 136092.0000      48.8661      15.0872      227.6239   (  2785)
   AREA                   11.   NE LARGE                 40696.0000      46.1406      14.7415      217.3105   (   882)
   AREA                   12.   NE MEDIUM                 9506.0000      50.8342      14.1014      198.8487   (   187)
   AREA                   13.   NE SMALL                 12087.0000      52.7817      14.4035      207.4609   (   229)
   AREA                   21.   NCENT LARGE              11848.0000      47.9676      15.8060      249.8292   (   247)
   AREA                   22.   NCENT MEDIUM             14946.0000      52.8127      12.5635      157.8407   (   283)
   AREA                   24.   NCENT RURAL              12791.0000      54.8970      11.3831      129.5756   (   233)
   AREA                   31.   SOUTH LARGE               7292.0000      37.3949      15.1713      230.1680   (   195)
   AREA                   33.   SOUTH SMALL              10352.0000      56.8791      14.9658      223.9743   (   182)
   AREA                   34.   SOUTH RURAL               1669.0000      43.9211      12.9414      167.4801   (    38)
   AREA                   41.   WEST LARGE                1698.0000      53.0625      14.4645      209.2218   (    32)
   AREA                   42.   WEST MEDIUM               7694.0000      50.2876      15.7140      246.9299   (   153)
   AREA                   43.   WEST SMALL                5513.0000      44.4597      13.0990      171.5837   (   124)

LANGUAG                    2.   SPANISH                   6000.0000      44.4444      12.8323      164.6667   (   135)
   AREA                   11.   NE LARGE                  4069.0000      45.7191      13.1244      172.2497   (    89)
   AREA                   12.   NE MEDIUM                  239.0000      47.8000       4.2071       17.7000   (     5)
   AREA                   22.   NCENT MEDIUM               137.0000      45.6667       3.7859       14.3333   (     3)
   AREA                   31.   SOUTH LARGE                486.0000      37.3846      16.5052      272.4231   (    13)
   AREA                   42.   WEST MEDIUM                 50.0000      50.0000            0             0   (     1)
   AREA                   43.   WEST SMALL                1019.0000      42.4583      10.5500      111.3025   (    24)

LANGUAG                    3.   OTHER                     3521.0000      52.5522      10.9990      120.9783   (    67)
   AREA                   11.   NE LARGE                  1989.0000      55.2500       7.5380       56.8214   (    36)
   AREA                   12.   NE MEDIUM                 1226.0000      49.0400      14.6557      214.7900   (    25)
   AREA                   22.   NCENT MEDIUM               108.0000      54.0000       9.8995       98.0000   (     2)
   AREA                   41.   WEST LARGE                 156.0000      52.0000       5.2915       28.0000   (     3)
   AREA                   43.   WEST SMALL                  42.0000      42.0000            0             0   (     1)

  TOTAL CASES =     12996
MISSING CASES =     10001 OR   77.0 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS2MMA      STAND SC MAT TOTAL MATH
   BROKEN DOWN BY     LANGUAG     LANGUAGE SPOKEN AT HOME
               BY     AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                 SUM            MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     153133.0000        51.1295        11.2374       126.2791   (  2995)

LANGUAG                    -99.    UNKNOWN                   384.0000        48.0000        10.0143       100.2857   (     8)
   AREA                     11.    NE LARGE                  192.0000        48.0000         9.3808        88.0000   (     4)
   AREA                     12.    NE MEDIUM                 109.0000        54.5000         2.1213         4.5000   (     2)
   AREA                     13.    NE SMALL                   53.0000        53.0000         0              0        (     1)
   AREA                     43.    WEST SMALL                 30.0000        30.0000         0              0        (     1)

LANGUAG                      1.    ENGLISH                142807.0000        51.2772        11.2803       127.2443   (  2785)
   AREA                     11.    NE LARGE                42862.0000        48.5964        10.4286       108.7563   (   882)
   AREA                     12.    NE MEDIUM                9640.0000        51.5508        12.0430       145.0337   (   187)
   AREA                     13.    NE SMALL                12420.0000        54.2358        12.0305       144.7336   (   229)
   AREA                     21.    NCENT LARGE             12508.0000        50.6397        11.5742       133.9631   (   247)
   AREA                     22.    NCENT MEDIUM            15345.0000        54.2226        10.1477       102.9751   (   283)
   AREA                     24.    NCENT RURAL             13331.0000        57.2146        11.1145       123.5313   (   233)
   AREA                     31.    SOUTH LARGE              8362.0000        42.8821         8.3679        70.0221   (   195)
   AREA                     33.    SOUTH SMALL             10559.0000        58.0165        10.2798       105.6738   (   182)
   AREA                     34.    SOUTH RURAL              1725.0000        45.3947         9.3217        86.8940   (    38)
   AREA                     41.    WEST LARGE               1620.0000        50.6250        11.7494       138.0484   (    32)
   AREA                     42.    WEST MEDIUM              8281.0000        54.1242        10.0147       100.2937   (   153)
   AREA                     43.    WEST SMALL               6154.0000        49.6290         8.2210        67.5848   (   124)

LANGUAG                      2.    SPANISH                  6449.0000        47.7704         9.7061        94.2081   (   135)
   AREA                     11.    NE LARGE                 4344.0000        48.8090        10.0531       101.0654   (    89)
   AREA                     12.    NE MEDIUM                 265.0000        53.0000         3.9370        15.5000   (     5)
   AREA                     22.    NCENT MEDIUM              106.0000        35.3333         6.8069        46.3333   (     3)
   AREA                     31.    SOUTH LARGE               536.0000        41.2308         7.9389        63.0256   (    13)
   AREA                     42.    WEST MEDIUM                41.0000        41.0000         0              0        (     1)
   AREA                     43.    WEST SMALL               1157.0000        48.2083         8.1186        65.9112   (    24)

LANGUAG                      3.    OTHER                    3493.0000        52.1343        11.5311       132.9665   (    67)
   AREA                     11.    NE LARGE                 2042.0000        56.7222        11.1294       123.8635   (    36)
   AREA                     12.    NE MEDIUM                1143.0000        45.7200        10.0396       100.7933   (    25)
   AREA                     22.    NCENT MEDIUM               98.0000        49.0000         7.0711        50.0000   (     2)
   AREA                     41.    WEST LARGE                156.0000        52.0000         9.0000        81.0000   (     3)
   AREA                     43.    WEST SMALL                 54.0000        54.0000         0              0        (     1)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR   77.0 PCT.
```

```
------------------ D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ------------------
CRITERION VARIABLE   SS3MR      STAND SC 3RD GR MAT TOTAL READING
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
-----------------------------------------------------------------------------------------------

    VARIABLE                CODE   VALUE LABEL                 SUM           MEAN       STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    226369.0000        57.4395      13.2861       176.5195    (  3941)

LANGUAG                     -99.   UNKNOWN                  816.0000        54.4000      13.9479       194.5429    (    15)
   AREA                      21.   NCENT LARGE              147.0000        73.5000      26.1630       684.5000    (     2)
   AREA                      24.   NCENT RURAL              202.0000        50.5000       7.7675        60.3333    (     4)
   AREA                      31.   SOUTH LARGE               28.0000        28.0000            0              0    (     1)
   AREA                      33.   SOUTH SMALL               58.0000        58.0000            0              0    (     1)
   AREA                      41.   WEST LARGE               230.0000        57.5000       8.2664        68.3333    (     4)
   AREA                      42.   WEST MEDIUM               55.0000        55.0000            0              0    (     1)
   AREA                      43.   WEST SMALL                96.0000        48.0000       5.6569        32.0000    (     2)

LANGUAG                       1.   ENGLISH               211638.0000        57.6670      13.4639       181.2759    (  3670)
   AREA                      11.   NE LARGE               42470.0000        54.3790      11.5466       133.3228    (   781)
   AREA                      12.   NE MEDIUM              17318.0000        59.3082      12.3970       153.6847    (   292)
   AREA                      13.   NE SMALL                9813.0000        61.7170      13.9842       195.5586    (   159)
   AREA                      21.   NCENT LARGE            16873.0000        55.3213      13.2988       176.8549    (   305)
   AREA                      22.   NCENT MEDIUM           21630.0000        61.6239      13.2005       174.2525    (   351)
   AREA                      24.   NCENT RURAL            22193.0000        65.6598      12.6458       159.9165    (   338)
   AREA                      31.   SOUTH LARGE            20250.0000        47.5352      11.1309       123.8964    (   426)
   AREA                      33.   SOUTH SMALL            13059.0000        65.2950      11.9961       143.9075    (   200)
   AREA                      34.   SOUTH RURAL             4818.0000        52.3696       9.0198        81.3564    (    92)
   AREA                      41.   WEST LARGE              7750.0000        56.1594      12.2482       150.0182    (   138)
   AREA                      42.   WEST MEDIUM            17514.0000        60.8125      12.7274       161.9856    (   288)
   AREA                      43.   WEST SMALL              8365.0000        52.9430      11.2896       127.4553    (   158)
   AREA                      44.   WEST RURAL              9585.0000        67.5000      12.5256       156.8901    (   142)

LANGUAG                       2.   SPANISH                 9974.0000        53.6237       9.6601        93.3171    (   186)
   AREA                      11.   NE LARGE                2667.0000        54.4286      10.2997       106.0833    (    49)
   AREA                      12.   NE MEDIUM                291.0000        58.2000       4.8683        23.7000    (     5)
   AREA                      22.   NCENT MEDIUM            1349.0000        53.9600       9.7232        94.5400    (    25)
   AREA                      31.   SOUTH LARGE              428.0000        47.5556       9.8121        96.2778    (     9)
   AREA                      34.   SOUTH RURAL             2337.0000        55.6429       8.2929        68.7718    (    42)
   AREA                      41.   WEST LARGE              1383.0000        53.1923      11.1750       124.8815    (    26)
   AREA                      42.   WEST MEDIUM              252.0000        50.4000       7.0214        49.3000    (     5)
   AREA                      43.   WEST SMALL              1223.0000        50.9583       9.1769        84.2156    (    24)
   AREA                      44.   WEST RURAL                44.0000        44.0000            0              0    (     1)

LANGUAG                       3.   OTHER                   3941.0000        56.3000      10.2651       105.3725    (    70)
   AREA                      11.   NE LARGE                 256.0000        64.0000       4.7610        22.6667    (     4)
   AREA                      12.   NE MEDIUM               2502.0000        54.3913      10.6802       114.0657    (    46)
   AREA                      21.   NCENT LARGE               45.0000        45.0000            0              0    (     1)
   AREA                      22.   NCENT MEDIUM              58.0000        58.0000            0              0    (     1)
   AREA                      24.   NCENT RURAL               61.0000        61.0000            0              0    (     1)
```

A-4-175 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

 AREA                    41.  WEST LARGE              737.0000       61.4167        8.9895       80.8106    (    12)
 AREA                    43.  WEST SMALL              282.0000       56.4000        8.7920       77.3000    (     5)
TOTAL CASES =    12996
MISSING CASES =    9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAH    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   LANGUAG    LANGUAGE SPOKEN AT HOME
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE             CODE    VALUE LABEL                SUM          MEAN      STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                 249263.0000     63.2487     12.9306     167.2006   (  3941)

LANGUAG                 -99.    UNKNOWN                  934.0000     62.2667      9.7282      94.6381   (    15)
   AREA                  21.    NCENT LARGE              147.0000     73.5000     21.9203     480.5000   (     2)
   AREA                  24.    NCENT RURAL              245.0000     61.2500      2.9861       8.9167   (     4)
   AREA                  31.    SOUTH LARGE               53.0000     53.0000      0            0        (     1)
   AREA                  33.    SOUTH SMALL               61.0000     61.0000      0            0        (     1)
   AREA                  41.    WEST LARGE               255.0000     63.7500      7.1356      50.9167   (     4)
   AREA                  42.    WEST MEDIUM               66.0000     66.0000      0            0        (     1)
   AREA                  43.    WEST SMALL               107.0000     53.5000     12.0208     144.5000   (     2)

LANGUAG                   1.    ENGLISH               232810.0000     63.4360     13.0120     169.3111   (  3670)
   AREA                  11.    NE LARGE               47138.0000     60.3560     11.7643     138.3998   (   781)
   AREA                  12.    NE MEDIUM              19310.0000     66.1301     13.1315     172.4366   (   292)
   AREA                  13.    NE SMALL               10332.0000     64.9811     13.7350     188.6515   (   159)
   AREA                  21.    NCENT LARGE            18482.0000     60.5967     12.0573     145.3796   (   305)
   AREA                  22.    NCENT MEDIUM           23913.0000     68.1282     11.7434     137.9066   (   351)
   AREA                  24.    NCENT RURAL            24185.0000     71.5533     10.5293     110.8651   (   338)
   AREA                  31.    SOUTH LARGE            23098.0000     54.2207     10.0269     100.5394   (   426)
   AREA                  33.    SOUTH SMALL            14439.0000     72.1950     11.6013     134.5899   (   200)
   AREA                  34.    SOUTH RURAL             5397.0000     58.6630     11.2380     126.2918   (    92)
   AREA                  41.    WEST LARGE              8399.0000     60.8623     11.9934     143.8422   (   138)
   AREA                  42.    WEST MEDIUM            18534.0000     64.3542     13.2384     175.2539   (   288)
   AREA                  43.    WEST SMALL              9211.0000     58.2975     10.8637     118.0192   (   158)
   AREA                  44.    WEST RURAL             10372.0000     73.0423     11.7563     138.2110   (   142)

LANGUAG                   2.    SPANISH                11204.0000     60.2366     11.1839     125.0789   (   186)
   AREA                  11.    NE LARGE                2875.0000     58.6735     13.0980     171.5578   (    49)
   AREA                  12.    NE MEDIUM                325.0000     65.0000      3.8730      15.0000   (     5)
   AREA                  22.    NCENT MEDIUM            1544.0000     61.7600     10.4733     109.6900   (    25)
   AREA                  31.    SOUTH LARGE              449.0000     49.8889      6.0507      36.6111   (     9)
   AREA                  34.    SOUTH RURAL             2648.0000     63.0476      9.1330      83.4123   (    42)
   AREA                  41.    WEST LARGE              1634.0000     62.8462     11.8176     139.6554   (    26)
   AREA                  42.    WEST MEDIUM              260.0000     52.0000      8.4261      71.0000   (     5)
   AREA                  43.    WEST SMALL              1414.0000     58.9167     10.5332     110.9493   (    24)
   AREA                  44.    WEST RURAL                55.0000     55.0000      0            0        (     1)

LANGUAG                   3.    OTHER                   4315.0000     61.6429     12.6789     160.7547   (    70)
   AREA                  11.    NE LARGE                 278.0000     69.5000     15.5456     241.6667   (     4)
   AREA                  12.    NE MEDIUM               2751.0000     59.8043     12.3335     152.1164   (    46)
   AREA                  21.    NCENT LARGE               53.0000     53.0000      0            0        (     1)
   AREA                  22.    NCENT MEDIUM              56.0000     56.0000      0            0        (     1)
   AREA                  24.    NCENT RURAL               76.0000     76.0000      0            0        (     1)
```

A-4-176 (cont.)

```
  VARIABLE                CODE    VALUE LABEL                      SUM            MEAN          STD DEV          VARIANCE           N
 AREA                       41.  WEST LARGE                  780.0000         65.0000          13.1564          173.0909    (     12)
 AREA                       43.  WEST SMALL                  321.0000         64.2000          13.5536          183.7000    (      5)
TOTAL CASES =     12996
MISSING CASES =     9055 OR   69.7 PCT.
```

A-4-177

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW        FALL KIND WRAT TOTAL
   BROKEN DOWN BY    ETHNICTY   RACE OF CHILD
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  250957.0000       28.2577       13.0889      171.3195   (  8881)

ETHNICTY                   -99.    UNKNOWN               3905.0000       32.2727       14.1951      201.5000   (   121)
   AREA                     11.    NE LARGE              3356.0000       33.5600       13.8850      192.7943   (   100)
   AREA                     12.    NE MEDIUM               33.0000       33.0000             0             0   (     1)
   AREA                     13.    NE SMALL                20.0000       20.0000             0             0   (     1)
   AREA                     21.    NCENT LARGE            215.0000       26.8750       18.7726      352.4107   (     8)
   AREA                     22.    NCENT MEDIUM            80.0000       26.6667        5.5076       30.3333   (     3)
   AREA                     24.    NCENT RURAL             48.0000       24.0000       22.6274      512.0000   (     2)
   AREA                     41.    WEST LARGE              18.0000       18.0000             0             0   (     1)
   AREA                     43.    WEST SMALL              91.0000       22.7500       13.7689      189.5833   (     4)
   AREA                     44.    WEST RURAL              44.0000       44.0000             0             0   (     1)

ETHNICTY                     1.    WHITE               100751.0000       32.3958       13.6453      186.1955   (  3110)
   AREA                     11.    NE LARGE              6554.0000       30.6262       13.3459      178.1131   (   214)
   AREA                     12.    NE MEDIUM            11561.0000       32.0249       13.2475      175.4966   (   361)
   AREA                     13.    NE SMALL              8651.0000       30.8964       13.7861      190.0573   (   280)
   AREA                     21.    NCENT LARGE           8795.0000       35.0398       14.6183      213.6944   (   251)
   AREA                     22.    NCENT MEDIUM         17835.0000       35.3168       13.1604      173.1970   (   505)
   AREA                     24.    NCENT RURAL          13125.0000       32.8125       14.1817      201.1201   (   400)
   AREA                     31.    SOUTH LARGE           2442.0000       25.7053       13.1367      172.5718   (    95)
   AREA                     33.    SOUTH SMALL           6029.0000       29.1256       13.3629      178.5667   (   207)
   AREA                     34.    SOUTH RURAL           1538.0000       26.5172       10.5169      110.6050   (    58)
   AREA                     41.    WEST LARGE            3472.0000       36.5474       14.5125      210.6121   (    95)
   AREA                     42.    WEST MEDIUM          11425.0000       32.7364       13.2246      174.8901   (   349)
   AREA                     43.    WEST SMALL            4619.0000       26.6994       11.1445      124.1998   (   173)
   AREA                     44.    WEST RURAL            4705.0000       38.5656       10.9680      120.2973   (   122)

ETHNICTY                     2.    BLACK               119042.0000       25.6611       11.9428      142.6316   (  4639)
   AREA                     11.    NE LARGE             50205.0000       27.0939       12.3196      151.7730   (  1853)
   AREA                     12.    NE MEDIUM             6753.0000       23.4479       10.0717      101.4398   (   288)
   AREA                     13.    NE SMALL              1004.0000       24.4878       11.2542      126.6561   (    41)
   AREA                     21.    NCENT LARGE          21594.0000       26.0169       11.4729      131.6282   (   830)
   AREA                     22.    NCENT MEDIUM          7490.0000       25.8276       11.3063      127.8318   (   290)
   AREA                     24.    NCENT RURAL            445.0000       21.1905       13.0752      170.9619   (    21)
   AREA                     31.    SOUTH LARGE          13436.0000       20.2349       10.4784      109.7969   (   664)
   AREA                     33.    SOUTH SMALL            340.0000       17.8947        6.9033       47.6550   (    19)
   AREA                     34.    SOUTH RURAL           1619.0000       20.7564        9.5960       92.0828   (    78)
   AREA                     41.    WEST LARGE            9637.0000       29.8359       11.4708      131.5786   (   323)
   AREA                     42.    WEST MEDIUM           2196.0000       26.1429       12.1141      146.7504   (    84)
   AREA                     43.    WEST SMALL            4323.0000       29.2095       13.1962      174.1395   (   148)

ETHNICTY                     3.    OTHER                27259.0000       26.9624       12.9183      166.8818   (  1011)
   AREA                     11.    NE LARGE              6034.0000       27.8065       13.6412      186.0827   (   217)
```

A-4-177 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE        N .

  AREA                   12.   NE MEDIUM             655.0000       19.8485       11.1443      124.1951   (    33)
  AREA                   13.   NE SMALL               81.0000       16.2000        9.7314       94.7000   (     5)
  AREA                   21.   NCENT LARGE          1487.0000       32.3261       15.5778      242.6691   (    46)
  AREA                   22.   NCENT MEDIUM         2045.0000       23.7791       12.4489      154.9741   (    86)
  AREA                   24.   NCENT RURAL           122.0000       30.5000        7.5498       57.0000   (     4)
  AREA                   31.   SOUTH LARGE          2808.0000       23.2066       10.8120      116.8986   (   121)
  AREA                   33.   SOUTH SMALL            85.0000       28.3333       11.5902      134.3333   (     3)
  AREA                   34.   SOUTH RURAL          1265.0000       21.4407       11.5150      132.5956   (    59)
  AREA                   41.   WEST LARGE           7094.0000       32.3927       12.3106      151.5515   (   219)
  AREA                   42.   WEST MEDIUM          3148.0000       26.4538       11.2150      125.7754   (   119)
  AREA                   43.   WEST SMALL           2398.0000       24.4694       12.2325      149.6331   (    98)
  AREA                   44.   WEST RURAL             37.0000       37.0000             0             0   (     1)

 TOTAL CASES =    12996
MISSING CASES =    4115 OR  31.7 PCT.
```

805

806

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL                SUM            MEAN         STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                 170730.0000       33.3327       12.0089       164.0674    (  5122)

ETHNICTY               -99.    UNKNOWN                  1816.0000       30.7797       12.6137       159.1058    (    59)
   AREA                 11.    NE LARGE                 1097.0000       32.2647       13.9247       193.8975    (    34)
   AREA                 13.    NE SMALL                   35.0000       35.0000             0              0    (     1)
   AREA                 21.    NCENT LARGE               390.0000       27.8571       11.0165       121.3626    (    14)
   AREA                 22.    NCENT MEDIUM               64.0000       32.0000        4.2426        18.0000    (     2)
   AREA                 24.    NCENT RURAL               102.0000       25.5000       16.8424       283.6667    (     4)
   AREA                 32.    SOUTH MEDIUM               38.0000       38.0000             0              0    (     1)
   AREA                 43.    WEST SMALL                 90.0000       30.0000        1.0000         1.0000    (     3)

ETHNICTY                 1.    WHITE                   73481.0000       36.8695       13.6757       187.0251    (  1993)
   AREA                 11.    NE LARGE                 3388.0000       34.2222       12.3078       151.4867    (    99)
   AREA                 12.    NE MEDIUM                9392.0000       40.3090       12.7360       162.2059    (   233)
   AREA                 13.    NE SMALL                 8153.0000       35.6026       13.3658       178.6440    (   229)
   AREA                 21.    NCENT LARGE              6898.0000       38.7528       13.8277       191.2041    (   178)
   AREA                 22.    NCENT MEDIUM            12815.0000       41.2058       13.6777       187.0801    (   311)
   AREA                 24.    NCENT RURAL              8281.0000       38.3380       12.5079       156.4480    (   216)
   AREA                 31.    SOUTH LARGE              2299.0000       32.8429       11.9038       141.6996    (    70)
   AREA                 32.    SOUTH MEDIUM              194.0000       27.7143       16.6003       275.5714    (     7)
   AREA                 33.    SOUTH SMALL              5762.0000       34.0947       13.8044       190.5624    (   169)
   AREA                 34.    SOUTH RURAL              1158.0000       29.6923       12.4692       155.4818    (    39)
   AREA                 41.    WEST LARGE               2099.0000       38.1636       16.1896       262.1024    (    55)
   AREA                 42.    WEST MEDIUM              7790.0000       35.7339       14.4660       209.2653    (   218)
   AREA                 43.    WEST SMALL               5252.0000       31.0769       11.7301       137.5952    (   169)

ETHNICTY                 2.    BLACK                   81729.0000       31.1467       11.6161       134.9342    (  2624)
   AREA                 11.    NE LARGE                26650.0000       31.7640       12.8584       165.3380    (   839)
   AREA                 12.    NE MEDIUM                6509.0000       32.5450       11.3752       129.3949    (   200)
   AREA                 13.    NE SMALL                 1033.0000       28.6944        9.7682        95.4183    (    36)
   AREA                 21.    NCENT LARGE             15058.0000       31.4363       10.6622       113.6816    (   479)
   AREA                 22.    NCENT MEDIUM            11555.0000       36.3365       11.0481       122.0599    (   318)
   AREA                 24.    NCENT RURAL               691.0000       34.5500       10.8893       118.5763    (    20)
   AREA                 31.    SOUTH LARGE             11002.0000       26.7039        9.0972        82.7588    (   412)
   AREA                 32.    SOUTH MEDIUM             4014.0000       29.2993        8.3889        70.3730    (   137)
   AREA                 33.    SOUTH SMALL               414.0000       21.7895       11.5257       132.8421    (    19)
   AREA                 34.    SOUTH RURAL               878.0000       19.5111        9.5242        90.7101    (    45)
   AREA                 41.    WEST LARGE               1130.0000       32.2857        9.4669        89.6218    (    35)
   AREA                 42.    WEST MEDIUM              2503.0000       34.2877       11.4546       131.2078    (    73)
   AREA                 43.    WEST SMALL                292.0000       26.5455       11.9362       142.4727    (    11)

ETHNICTY                 3.    OTHER                   13704.0000       30.7265       11.9541       142.9003    (   446)
   AREA                 11.    NE LARGE                 2440.0000       26.8132       11.6970       136.8203    (    91)
   AREA                 12.    NE MEDIUM                 666.0000       25.6154       12.6430       159.8442    (    26)
```

A-4-178 (cont.)

```
  VARIABLE                CODE   VALUE LABEL               SUM          MEAN        STD DEV      VARIANCE        N

 AREA                      13.  NE SMALL               140.0000      23.3333       12.0610      145.4667    (     6)
 AREA                      21.  NCENT LARGE           1435.0000      42.2059       11.5805      134.1070    (    34)
 AREA                      22.  NCENT MEDIUM           559.0000      34.9375       19.2301      369.7958    (    16)
 AREA                      24.  NCENT RURAL            130.0000      32.5000        7.4162       55.0000    (     4)
 AREA                      31.  SOUTH LARGE           2292.0000      30.1579        9.3965       88.2947    (    76)
 AREA                      32.  SOUTH MEDIUM           159.0000      22.7143        8.5384       72.9048    (     7)
 AREA                      33.  SOUTH SMALL            105.0000      35.0000        7.0000       49.0000    (     3)
 AREA                      41.  WEST LARGE            1109.0000      33.6061       13.5806      184.4337    (    33)
 AREA                      42.  WEST MEDIUM           2475.0000      30.9375       10.2307      104.6669    (    80)
 AREA                      43.  WEST SMALL            2194.0000      31.3429       10.1280      102.5764    (    70)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

A-4-179

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND NAT LISTENING-SOUND
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE    VALUE LABEL                SUM          MEAN       STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                  123551.0000       26.5473       4.4723      20.0011   (  4654)

ETHNICTY                   -99.   UNKNOWN                1284.0000       25.6800       3.7712      14.2228   (    50)
   AREA                     11.   NE LARGE                701.0000       25.9630       3.5893      12.8832   (    27)
   AREA                     13.   NE SMALL                 25.0000       25.0000            0            0   (     1)
   AREA                     21.   NCENT LARGE             326.0000       25.0769       4.2907      18.4103   (    13)
   AREA                     22.   NCENT MEDIUM             50.0000       25.0000       1.4142       2.0000   (     2)
   AREA                     24.   NCENT RURAL              79.0000       26.3333       7.7675      60.3333   (     3)
   AREA                     32.   SOUTH MEDIUM             28.0000       28.0000            0            0   (     1)
   AREA                     43.   WEST SMALL               75.0000       25.0000       1.0000       1.0000   (     3)

ETHNICTY                     1.   WHITE                 52571.0000       27.6399       4.8648      23.6664   (  1902)
   AREA                     11.   NE LARGE               2353.0000       26.7386       4.5347      20.5631   (    88)
   AREA                     12.   NE MEDIUM              6345.0000       28.3259       4.9614      24.6153   (   224)
   AREA                     13.   NE SMALL               6058.0000       27.6621       4.5053      20.2981   (   219)
   AREA                     21.   NCENT LARGE            4906.0000       28.3584       5.2660      27.7313   (   173)
   AREA                     22.   NCENT MEDIUM           8665.0000       28.5033       5.1145      26.1584   (   304)
   AREA                     24.   NCENT RURAL            5800.0000       27.4882       4.4576      19.8711   (   211)
   AREA                     31.   SOUTH LARGE            1708.0000       25.4925       4.1611      17.3143   (    67)
   AREA                     32.   SOUTH MEDIUM            176.0000       25.1429       4.9809      24.8095   (     7)
   AREA                     33.   SOUTH SMALL            4333.0000       26.9130       4.2813      18.3299   (   161)
   AREA                     34.   SOUTH RURAL             749.0000       26.7500       4.5348      20.5648   (    28)
   AREA                     41.   WEST LARGE             1498.0000       28.8077       5.7327      32.8643   (    52)
   AREA                     42.   WEST MEDIUM            5860.0000       27.7725       5.6117      31.4909   (   211)
   AREA                     43.   WEST SMALL             4120.0000       26.2420       3.5902      12.8898   (   157)

ETHNICTY                     2.   BLACK                 59416.0000       25.7435       4.0403      16.3243   (  2308)
   AREA                     11.   NE LARGE              17908.0000       26.1050       4.6730      21.8371   (   686)
   AREA                     12.   NE MEDIUM              4631.0000       25.4451       3.8285      14.6572   (   182)
   AREA                     13.   NE SMALL                767.0000       25.5667       3.1806      10.1161   (    30)
   AREA                     21.   NCENT LARGE           11652.0000       25.8933       3.6438      13.2774   (   450)
   AREA                     22.   NCENT MEDIUM           8057.0000       26.9465       4.2010      17.6481   (   299)
   AREA                     24.   NCENT RURAL             531.0000       26.5500       4.6620      21.7342   (    20)
   AREA                     31.   SOUTH LARGE            8860.0000       24.0761       2.9352       8.6154   (   368)
   AREA                     32.   SOUTH MEDIUM           3459.0000       25.4338       3.1803      10.1141   (   136)
   AREA                     33.   SOUTH SMALL             375.0000       25.0000       2.5071       6.2857   (    15)
   AREA                     34.   SOUTH RURAL             364.0000       24.2667       4.2167      17.7810   (    15)
   AREA                     41.   WEST LARGE              895.0000       25.5714       3.7360      13.9580   (    35)
   AREA                     42.   WEST MEDIUM            1693.0000       26.8730       4.0381      16.3062   (    63)
   AREA                     43.   WEST SMALL              224.0000       24.8889       2.4210       5.8611   (     9)

ETHNICTY                     3.   OTHER                 10280.0000       26.0914       3.8538      14.8517   (   394)
   AREA                     11.   NE LARGE               1530.0000       25.0820       3.2878      10.8098   (    61)
   AREA                     12.   NE MEDIUM               547.0000       24.8636       4.4110      19.4567   (    22)
```

A-4-179 (cont.)

```
  VARIABLE              CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE           N

 AREA                     13.  NE SMALL                    124.0000       24.8000       4.1473       17.2000       (     5)
 AREA                     21.  NCENT LARGE                 980.0000       29.6970       4.0734       16.5938       (    33)
 AREA                     22.  NCENT MEDIUM                421.0000       28.0667       7.0959       50.3524       (    15)
 AREA                     24.  NCENT RURAL                 106.0000       26.5000       3.7859       14.3333       (     4)
 AREA                     31.  SOUTH LARGE                1796.0000       24.9444       2.8329        8.0250       (    72)
 AREA                     32.  SOUTH MEDIUM                165.0000       23.5714       4.0766       16.6190       (     7)
 AREA                     33.  SOUTH SMALL                  77.0000       25.6667       1.5275        2.3333       (     3)
 AREA                     41.  WEST LARGE                  856.0000       25.9394       4.3007       18.4962       (    33)
 AREA                     42.  WEST MEDIUM                1894.0000       26.3056       2.6518        7.0321       (    72)
 AREA                     43.  WEST SMALL                 1784.0000       26.6269       3.7166       13.8132       (    67)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

A-4-180

818

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE    S5KMRD      STAND SC SPR KIND MAT READING
    BROKEN DOWN BY    ETHNICTY    RACE OF CHILD
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE     VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  119208.0000       25.6141       4.5696      20.8813    (  4654)

ETHNICTY                 -99.   UNKNOWN                  1301.0000       26.0200       4.8885      23.8976    (    50)
   AREA                   11.   NE LARGE                  721.0000       26.7037       6.1257      37.5242    (    27)
   AREA                   13.   NE SMALL                   27.0000       27.0000       0           0          (     1)
   AREA                   21.   NCENT LARGE               322.0000       24.7692       3.3205      11.0256    (    13)
   AREA                   22.   NCENT MEDIUM               52.0000       26.0000       0           0          (     2)
   AREA                   24.   NCENT RURAL                74.0000       24.6667       3.0551       9.3333    (     3)
   AREA                   32.   SOUTH MEDIUM               26.0000       26.0000       0           0          (     1)
   AREA                   43.   WEST SMALL                 79.0000       26.3333       1.5275       2.3333    (     3)

ETHNICTY                   1.   WHITE                   50290.0000       26.4406       4.7807      22.8547    (  1902)
   AREA                   11.   NE LARGE                 2349.0000       26.6932       3.6463      13.2956    (    88)
   AREA                   12.   NE MEDIUM                6314.0000       28.1875       4.1194      16.9692    (   224)
   AREA                   13.   NE SMALL                 5691.0000       25.9863       4.9442      24.4448    (   219)
   AREA                   21.   NCENT LARGE              4684.0000       27.0751       4.7598      22.5699    (   173)
   AREA                   22.   NCENT MEDIUM             8310.0000       27.3355       4.7865      22.9102    (   304)
   AREA                   24.   NCENT RURAL              5547.0000       26.2891       4.5666      20.8541    (   211)
   AREA                   31.   SOUTH LARGE              1694.0000       25.2836       3.9612      15.6911    (    67)
   AREA                   32.   SOUTH MEDIUM              153.0000       21.8571       5.4903      30.1429    (     7)
   AREA                   33.   SOUTH SMALL              4070.0000       25.2795       4.7146      22.2276    (   161)
   AREA                   34.   SOUTH RURAL               725.0000       25.8929       3.5833      12.8399    (    28)
   AREA                   41.   WEST LARGE               1408.0000       27.0769       5.6424      31.8371    (    52)
   AREA                   42.   WEST MEDIUM              5496.0000       26.0474       5.1776      26.8073    (   211)
   AREA                   43.   WEST SMALL               3849.0000       24.5159       4.7035      22.1231    (   157)

ETHNICTY                   2.   BLACK                   57848.0000       25.0641       4.2914      18.4163    (  2308)
   AREA                   11.   NE LARGE                17781.0000       25.9198       4.5209      20.4388    (   686)
   AREA                   12.   NE MEDIUM                4543.0000       24.9615       3.7877      14.3466    (   182)
   AREA                   13.   NE SMALL                  740.0000       24.6667       3.7539      14.0920    (    30)
   AREA                   21.   NCENT LARGE             11193.0000       24.8733       3.9949      15.9594    (   450)
   AREA                   22.   NCENT MEDIUM             7788.0000       26.0468       4.0473      16.3804    (   299)
   AREA                   24.   NCENT RURAL               500.0000       25.0000       4.5306      20.5263    (    20)
   AREA                   31.   SOUTH LARGE              8608.0000       23.3913       4.2148      17.7647    (   368)
   AREA                   32.   SOUTH MEDIUM             3276.0000       24.0882       4.0724      16.5847    (   136)
   AREA                   33.   SOUTH SMALL               320.0000       21.3333       4.6853      21.9524    (    15)
   AREA                   34.   SOUTH RURAL               321.0000       21.4000       4.9106      24.1143    (    15)
   AREA                   41.   WEST LARGE                887.0000       25.3429       3.2715      10.7025    (    35)
   AREA                   42.   WEST MEDIUM              1674.0000       26.5714       3.1557       9.9585    (    63)
   AREA                   43.   WEST SMALL                217.0000       24.1111       3.8873      15.1111    (     9)

ETHNICTY                   3.   OTHER                    9769.0000       24.7944       4.4511      19.8126    (   394)
   AREA                   11.   NE LARGE                 1522.0000       24.9508       3.4177      11.6809    (    61)
   AREA                   12.   NE MEDIUM                 514.0000       23.3636       4.7263      22.3377    (    22)
```

505

815

816

A-4-180 (cont.)

```
VARIABLE            CODE   VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE        N

 AREA                 13.  NE SMALL              101.0000      20.2000      6.0581      36.7000    (     5)
 AREA                 21.  NCENT LARGE           938.0000      28.4242      4.4933      20.1894    (    33)
 AREA                 22.  NCENT MEDIUM          389.0000      25.9333      7.8873      62.2095    (    15)
 AREA                 24.  NCENT RURAL           100.0000      25.0000      1.8257       3.3333    (     4)
 AREA                 31.  SOUTH LARGE          1775.0000      24.6528      3.4566      11.9482    (    72)
 AREA                 32.  SOUTH MEDIUM          132.0000      18.8571      3.3877      11.4762    (     7)
 AREA                 33.  SOUTH SMALL            78.0000      26.0000      1.7321       3.0000    (     3)
 AREA                 41.  WEST LARGE            849.0000      25.7273      4.7846      22.8920    (    33)
 AREA                 42.  WEST MEDIUM          1755.0000      24.3750      3.6248      13.1391    (    72)
 AREA                 43.  WEST SMALL           1616.0000      24.1194      4.6434      21.5613    (    67)

 TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMMA      STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   ETHNICTY    RACE OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE               CODE    VALUE LABEL                  SUM            MEAN        STD DEV      VARIANCE          N

FOR ENTIRE POPULATION                                      105590,0000        22.6880        6.5407       42.7844     (  4654)

ETHNICTY                    -99.   UNKNOWN                   1113,0000        22.2600        5.4053       29.2167     (    50)
   AREA                      11.   NE LARGE                   631,0000        23.3704        6.3988       40.9345     (    27)
   AREA                      13.   NE SMALL                    22,0000        22.0000             0             0     (     1)
   AREA                      21.   NCENT LARGE                264,0000        20.3077        3.9240       15.3974     (    13)
   AREA                      22.   NCENT MEDIUM                45,0000        22.5000        3.5355       12.5000     (     2)
   AREA                      24.   NCENT RURAL                 67,0000        22.3333        3.5119       12.3333     (     3)
   AREA                      32.   SOUTH MEDIUM                27,0000        27.0000             0             0     (     1)
   AREA                      43.   WEST SMALL                  57,0000        19.0000        2.0000        4.0000     (     3)

ETHNICTY                      1.   WHITE                    46301,0000        24.3433        6.7094       45.0157     (  1902)
   AREA                      11.   NE LARGE                  2011,0000        22.8523        5.6213       31.5986     (    88)
   AREA                      12.   NE MEDIUM                 5393,0000        24.0759        6.4397       41.4696     (   224)
   AREA                      13.   NE SMALL                  5077,0000        23.1826        6.4980       42.2234     (   219)
   AREA                      21.   NCENT LARGE               4275,0000        24.7110        6.5226       42.5439     (   173)
   AREA                      22.   NCENT MEDIUM              8176,0000        26.8947        7.3441       53.9361     (   304)
   AREA                      24.   NCENT RURAL               5550,0000        26.3033        5.7265       32.7933     (   211)
   AREA                      31.   SOUTH LARGE               1501,0000        22.4030        5.4608       29.8200     (    67)
   AREA                      32.   SOUTH MEDIUM               132,0000        18.8571        7.9672       63.4762     (     7)
   AREA                      33.   SOUTH SMALL               3654,0000        22.6957        6.6427       44.1255     (   161)
   AREA                      34.   SOUTH RURAL                645,0000        23.0357        4.4595       19.8876     (    28)
   AREA                      41.   WEST LARGE                1273,0000        24.4808        7.4951       56.1761     (    52)
   AREA                      42.   WEST MEDIUM               5107,0000        24.2038        7.6077       57.8773     (   211)
   AREA                      43.   WEST SMALL                3507,0000        22.3376        5.0365       25.3661     (   157)

ETHNICTY                      2.   BLACK                    49698,0000        21.5329        6.1169       37.4159     (  2308)
   AREA                      11.   NE LARGE                 15251,0000        22.2318        6.6293       43.9477     (   686)
   AREA                      12.   NE MEDIUM                 4045,0000        22.2253        6.5443       42.8274     (   182)
   AREA                      13.   NE SMALL                   608,0000        20.2667        5.0646       25.6506     (    30)
   AREA                      21.   NCENT LARGE               9691,0000        21.5356        5.5270       30.5477     (   450)
   AREA                      22.   NCENT MEDIUM              7141,0000        23.8829        5.8742       34.5064     (   299)
   AREA                      24.   NCENT RURAL                465,0000        23.2500        4.8869       23.8816     (    20)
   AREA                      31.   SOUTH LARGE               6809,0000        18.5027        5.2121       27.1662     (   368)
   AREA                      32.   SOUTH MEDIUM              2735,0000        20.1103        4.5079       20.3211     (   136)
   AREA                      33.   SOUTH SMALL                273,0000        18.2000        4.5544       20.7429     (    15)
   AREA                      34.   SOUTH RURAL                294,0000        19.6000        4.4045       19.4000     (    15)
   AREA                      41.   WEST LARGE                 729,0000        20.8286        5.1076       26.0874     (    35)
   AREA                      42.   WEST MEDIUM               1456,0000        23.1111        6.6916       44.7778     (    63)
   AREA                      43.   WEST SMALL                 201,0000        22.3333        3.3541       11.2500     (     9)

ETHNICTY                      3.   OTHER                     8478,0000        21.5178        6.5562       42.9831     (   394)
   AREA                      11.   NE LARGE                  1287,0000        21.0984        8.0885       65.4235     (    61)
   AREA                      12.   NE MEDIUM                  399,0000        18.1364        6.3568       40.4091     (    22)
```

A-4-181 (cont.)

```
VARIABLE            CODE   VALUE LABEL             SUM        MEAN      STD DEV    VARIANCE      N

AREA                 13.  NE SMALL               98.0000    19.6000     6.3087     39.8000   (    5)
AREA                 21.  NCENT LARGE           817.0000    24.7576     6.8146     46.4394   (   33)
AREA                 22.  NCENT MEDIUM          338.0000    22.5333     7.6051     57.8381   (   15)
AREA                 24.  NCENT RURAL            95.0000    23.7500     4.6458     21.5833   (    4)
AREA                 31.  SOUTH LARGE          1467.0000    20.3750     5.4989     30.2377   (   72)
AREA                 32.  SOUTH MEDIUM          132.0000    18.8571     2.3401      5.4762   (    7)
AREA                 33.  SOUTH SMALL            62.0000    20.6667     4.9329     24.3333   (    3)
AREA                 41.  WEST LARGE            692.0000    20.9697     7.4895     56.0928   (   33)
AREA                 42.  WEST MEDIUM          1607.0000    22.3194     6.9542     48.3413   (   72)
AREA                 43.  WEST SMALL           1484.0000    22.1493     4.3528     18.9471   (   67)

 TOTAL CASES =    12996
MISSING CASES =    8342 OR  64.2 PCT.
```

821

822

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   ETHNICTY   RACE OF CHILD
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     VARIABLE             CODE     VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    155837.0000        37.1837       10.4335       108.8580   (  4191)

ETHNICTY                  -99.   UNKNOWN                    221.0000        31.5714        6.1062        37.2857   (     7)
   AREA                    11.   NE LARGE                    28.0000        28.0000        0             0        (     1)
   AREA                    22.   NCENT MEDIUM                96.0000        32.0000        6.9282        48.0000   (     3)
   AREA                    24.   NCENT RURAL                 28.0000        28.0000        0             0        (     1)
   AREA                    41.   WEST LARGE                  41.0000        41.0000        0             0        (     1)
   AREA                    43.   WEST SMALL                  28.0000        28.0000        0             0        (     1)

ETHNICTY                    1.   WHITE                    56798.0000        41.6713       11.1348       123.9844   (  1363)
   AREA                    11.   NE LARGE                  3174.0000        35.2667       11.0989       123.1865   (    90)
   AREA                    12.   NE MEDIUM                 7962.0000        39.6119        9.8984        97.9787   (   201)
   AREA                    13.   NE SMALL                  5642.0000        40.3000        9.8621        97.2619   (   140)
   AREA                    21.   NCENT LARGE               3885.0000        46.2500       10.8682       118.1175   (    84)
   AREA                    22.   NCENT MEDIUM             10412.0000        44.6867       10.8584       117.9057   (   233)
   AREA                    24.   NCENT RURAL               9822.0000        45.0550       10.5125       110.5131   (   218)
   AREA                    31.   SOUTH LARGE               1066.0000        34.3871        6.5405        42.7785   (    31)
   AREA                    33.   SOUTH SMALL               6253.0000        44.9856       11.7603       138.3041   (   139)
   AREA                    34.   SOUTH RURAL               1045.0000        40.1923        9.6996        94.0815   (    26)
   AREA                    41.   WEST LARGE                1605.0000        42.2368       10.7990       116.6181   (    38)
   AREA                    42.   WEST MEDIUM               3119.0000        41.0395       11.5267       132.8651   (    76)
   AREA                    43.   WEST SMALL                2813.0000        32.3333        7.3196        53.5736   (    87)

ETHNICTY                    2.   BLACK                    77151.0000        35.1325        9.4800        89.8708   (  2196)
   AREA                    11.   NE LARGE                 45704.0000        36.1582        9.9646        99.2924   (  1264)
   AREA                    12.   NE MEDIUM                 3894.0000        34.4602        7.4319        55.2328   (   113)
   AREA                    13.   NE SMALL                   822.0000        35.7391        8.5452        73.0198   (    23)
   AREA                    21.   NCENT LARGE               5692.0000        33.2865        8.3620        69.9233   (   171)
   AREA                    22.   NCENT MEDIUM              5001.0000        37.8864        8.9431        79.9794   (   132)
   AREA                    24.   NCENT RURAL                602.0000        35.4118       10.1369       102.7574   (    17)
   AREA                    31.   SOUTH LARGE               4835.0000        29.8457        7.0372        49.5226   (   162)
   AREA                    33.   SOUTH SMALL                492.0000        37.8462       11.0367       121.8077   (    13)
   AREA                    34.   SOUTH RURAL               1253.0000        32.9737        6.1753        38.1344   (    38)
   AREA                    41.   WEST LARGE                5967.0000        33.7119        9.4479        89.2631   (   177)
   AREA                    42.   WEST MEDIUM                809.0000        33.7083        6.5374        42.7373   (    24)
   AREA                    43.   WEST SMALL                2080.0000        33.5484        8.2813        68.5796   (    62)

ETHNICTY                    3.   OTHER                    21667.0000        34.6672        8.8519        78.3570   (   625)
   AREA                    11.   NE LARGE                  5023.0000        33.0461        9.4325        88.9714   (   152)
   AREA                    12.   NE MEDIUM                  414.0000        31.8462        9.3349        87.1410   (    13)
   AREA                    13.   NE SMALL                    96.0000        32.0000        7.2111        52.0000   (     3)
   AREA                    21.   NCENT LARGE               1166.0000        46.6400        7.9156        62.6567   (    25)
   AREA                    22.   NCENT MEDIUM              1587.0000        35.2667        9.0262        81.4727   (    45)
   AREA                    24.   NCENT RURAL                 28.0000        28.0000        0             0        (     1)
```

A-4-182 (cont.)

```
VARIABLE              CODE     VALUE LABEL                SUM           MEAN         STD DEV       VARIANCE        N

 AREA                   31.   SOUTH LARGE           1725.0000        30.8036          6.7861        46.0516    (    56)
 AREA                   33.   SOUTH SMALL             76.0000        38.0000         16.9706       288.0000    (     2)
 AREA                   34.   SOUTH RURAL           2144.0000        35.7333          6.8862        47.4192    (    60)
 AREA                   41.   WEST LARGE            6295.0000        36.5988          8.8223        77.8323    (   172)
 AREA                   42.   WEST MEDIUM           1174.0000        33.5429          7.0683        49.9613    (    35)
 AREA                   43.   WEST SMALL            1939.0000        31.7869          6.2025        38.4705    (    61)

TOTAL CASES =    12996
MISSING CASES =    8805 OR  67.8 PCT.
```

?

A-4-183

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA      STAND SC 1ST GR MAT TOTAL MATH
   BROKEN DOWN BY    ETHNICTY    RACE OF CHILD
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                    153729.0000       36.6807       11.7979      139.1911   (  4191)

ETHNICTY                  -99.   UNKNOWN                    205.0000       29.2857        4.8206       23.2381   (     7)
   AREA                    11.   NE LARGE                    23.0000       23.0000             0             0   (     1)
   AREA                    22.   NCENT MEDIUM                95.0000       31.6667        3.7859       14.3333   (     3)
   AREA                    24.   NCENT RURAL                 23.0000       23.0000             0             0   (     1)
   AREA                    41.   WEST LARGE                  32.0000       32.0000             0             0   (     1)
   AREA                    43.   WEST SMALL                  32.0000       32.0000             0             0   (     1)

ETHNICTY                    1.   WHITE                    56222.0000       41.2487       11.6525      135.7902   (  1363)
   AREA                    11.   NE LARGE                  3903.0000       43.3667       14.6429      214.4146   (    90)
   AREA                    12.   NE MEDIUM                 7724.0000       38.4279       10.9725      120.3960   (   201)
   AREA                    13.   NE SMALL                  5643.0000       40.3071       10.7314      115.1640   (   140)
   AREA                    21.   NCENT LARGE               3845.0000       45.7738       12.1837      148.4422   (    84)
   AREA                    22.   NCENT MEDIUM              9753.0000       41.8584        9.7318       94.7083   (   233)
   AREA                    24.   NCENT RURAL              10218.0000       46.8716       11.9527      142.8682   (   218)
   AREA                    31.   SOUTH LARGE                997.0000       32.1613        9.4166       88.6731   (    31)
   AREA                    33.   SOUTH SMALL               5698.0000       40.9928       10.9343      119.5579   (   139)
   AREA                    34.   SOUTH RURAL                980.0000       37.6923        8.1130       65.8215   (    26)
   AREA                    41.   WEST LARGE                1434.0000       37.7368       11.9089      141.8208   (    38)
   AREA                    42.   WEST MEDIUM               3130.0000       41.1842       11.4609      131.3523   (    76)
   AREA                    43.   WEST SMALL                2897.0000       33.2989        7.5269       56.6538   (    87)

ETHNICTY                    2.   BLACK                    75833.0000       34.5323       11.5295      132.9288   (  2196)
   AREA                    11.   NE LARGE                 46847.0000       37.0625       12.2621      150.3595   (  1264)
   AREA                    12.   NE MEDIUM                 3399.0000       30.0796        8.1099       65.7704   (   113)
   AREA                    13.   NE SMALL                   809.0000       35.1739        7.6137       57.9684   (    23)
   AREA                    21.   NCENT LARGE               5166.0000       30.2105        9.3199       86.8613   (   171)
   AREA                    22.   NCENT MEDIUM              4866.0000       36.8636        9.5059       90.3629   (   132)
   AREA                    24.   NCENT RURAL                576.0000       33.8824       10.2096      104.2353   (    17)
   AREA                    31.   SOUTH LARGE               4181.0000       25.8086        7.8729       61.9918   (   162)
   AREA                    33.   SOUTH SMALL                465.0000       35.7692        9.4706       89.6923   (    13)
   AREA                    34.   SOUTH RURAL               1029.0000       27.0789        7.4630       55.6963   (    38)
   AREA                    41.   WEST LARGE                5765.0000       32.5706        8.9985       80.9737   (   177)
   AREA                    42.   WEST MEDIUM                749.0000       31.2083        7.0709       49.9982   (    24)
   AREA                    43.   WEST SMALL                1981.0000       31.9516       10.2148      104.3419   (    62)

ETHNICTY                    3.   OTHER                    21469.0000       34.3504       10.1279      102.5741   (   625)
   AREA                    11.   NE LARGE                  5145.0000       33.8487       10.8882      118.5531   (   152)
   AREA                    12.   NE MEDIUM                  444.0000       34.1538       13.0118      169.3077   (    13)
   AREA                    13.   NE SMALL                   105.0000       35.0000       11.5326      133.0000   (     3)
   AREA                    21.   NCENT LARGE                987.0000       39.4800       10.5874      112.0933   (    25)
   AREA                    22.   NCENT MEDIUM              1572.0000       34.9333       10.1811      103.6545   (    45)
   AREA                    24.   NCENT RURAL                 37.0000       37.0000             0             0   (     1)
```

A-4-183 (cont.)

```
VARIABLE              CODE    VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE         N

 AREA                   31.  SOUTH LARGE           1829.0000       32.6607         8.6745        75.2464    (     56)
 AREA                   33.  SOUTH SMALL             81.0000       40.5000        17.6777       312.5000    (      2)
 AREA                   34.  SOUTH RURAL           1931.0000       32.1833         7.8232        61.2031    (     60)
 AREA                   41.  WEST LARGE            6085.0000       35.3779        10.4379       108.9499    (    172)
 AREA                   42.  WEST MEDIUM           1275.0000       36.4286        11.7905       139.0168    (     35)
 AREA                   43.  WEST SMALL            1978.0000       32.4262         7.4620        55.6820    (     61)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

857

A-4-184

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR       STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   ETHNICTY    RACE OF CHILD
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                SUM            MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      145960.0000        48.7346      14.9501       223.5050   (  2995)

ETHNICTY                    -99.    UNKNOWN                   336.0000        42.0000      13.9284       194.0000   (     8)
   AREA                      11.    NE LARGE                  179.0000        44.7500       9.5699        91.5833   (     4)
   AREA                      21.    NCENT LARGE                38.0000        38.0000            0              0   (     1)
   AREA                      42.    WEST MEDIUM                61.0000        61.0000            0              0   (     1)
   AREA                      43.    WEST SMALL                 58.0000        29.0000      18.3848       338.0000   (     2)

ETHNICTY                      1.    WHITE                   63414.0000        54.8564      13.2009       174.2633   (  1156)
   AREA                      11.    NE LARGE                  494.0000        49.4000       9.5359        90.9333   (    10)
   AREA                      12.    NE MEDIUM                6416.0000        54.8376      13.8769       192.5682   (   117)
   AREA                      13.    NE SMALL                10424.0000        54.5759      13.7498       189.0560   (   191)
   AREA                      21.    NCENT LARGE              3265.0000        59.3636      16.8153       282.7542   (    55)
   AREA                      22.    NCENT MEDIUM            10166.0000        56.4778      10.5075       110.4073   (   180)
   AREA                      24.    NCENT RURAL             11733.0000        55.3443      11.5414       133.2031   (   212)
   AREA                      31.    SOUTH LARGE               912.0000        48.0000       9.0738        82.3333   (    19)
   AREA                      33.    SOUTH SMALL              9406.0000        57.7055      14.4892       209.9374   (   163)
   AREA                      34.    SOUTH RURAL               740.0000        49.3333       6.4328        41.3810   (    15)
   AREA                      41.    WEST LARGE                838.0000        59.8571      13.4271       180.2857   (    14)
   AREA                      42.    WEST MEDIUM              5037.0000        54.7500      12.7982       163.7940   (    92)
   AREA                      43.    WEST SMALL               3983.0000        45.2614      12.0626       145.5056   (    88)

ETHNICTY                      2.    BLACK                   69074.0000        44.5351      14.7128       216.4670   (  1551)
   AREA                      11.    NE LARGE                39797.0000        46.0613      14.7339       217.0889   (   864)
   AREA                      12.    NE MEDIUM                4123.0000        45.3077      12.9878       168.6821   (    91)
   AREA                      13.    NE SMALL                 1466.0000        44.4242      12.8477       165.0644   (    33)
   AREA                      21.    NCENT LARGE              8286.0000        44.3102      13.6484       186.2796   (   187)
   AREA                      22.    NCENT MEDIUM             4383.0000        46.1368      13.7683       189.5662   (    95)
   AREA                      24.    NCENT RURAL               946.0000        49.7895       8.8417        78.1754   (    19)
   AREA                      31.    SOUTH LARGE              6207.0000        36.0872      15.4006       237.1795   (   172)
   AREA                      33.    SOUTH SMALL               680.0000        45.3333      14.1354       199.8095   (    15)
   AREA                      34.    SOUTH RURAL               929.0000        40.3913      14.9111       222.3399   (    23)
   AREA                      41.    WEST LARGE                801.0000        47.1176      13.3692       178.7353   (    17)
   AREA                      42.    WEST MEDIUM              1187.0000        40.9310      15.3877       236.7808   (    29)
   AREA                      43.    WEST SMALL                269.0000        44.8333       4.1673        17.3667   (     6)

ETHNICTY                      3.    OTHER                   13136.0000        46.9143      14.5484       211.6557   (   280)
   AREA                      11.    NE LARGE                 6451.0000        48.5038      13.0724       170.8882   (   133)
   AREA                      12.    NE MEDIUM                 550.0000        50.0000       7.2938        53.2000   (    11)
   AREA                      13.    NE SMALL                  243.0000        40.5000      21.5383       463.9000   (     6)
   AREA                      21.    NCENT LARGE               259.0000        64.7500      14.9527       223.5833   (     4)
   AREA                      22.    NCENT MEDIUM              642.0000        49.3846       5.8244        33.9231   (    13)
   AREA                      24.    NCENT RURAL               112.0000        56.0000       2.8284         8.0000   (     2)
   AREA                      31.    SOUTH LARGE               659.0000        38.7647      14.6182       213.6912   (    17)
```

A-4-184 (cont.)

```
  VARIABLE            CODE   VALUE LABEL                  SUM         MEAN       STD DEV      VARIANCE        N

 AREA                  33.  SOUTH SMALL             266.0000      66.5000      20.4206      417.0000   (     4)
 AREA                  41.  WEST LARGE              215.0000      53.7500       5.5603       30.9167   (     4)
 AREA                  42.  WEST MEDIUM            1459.0000      45.5938      18.6718      348.6361   (    32)
 AREA                  43.  WEST SMALL             2280.0000      42.2222      14.2003      201.6478   (    54)

 TOTAL CASES =    12996
MISSING CASES =   10001 OR   77.0 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
   BROKEN DOWN BY    ETHNICTY   RACE OF CHILD
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE             CODE    VALUE LABEL                  SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   153133.0000       51.1295       11.2376     126.2791    (  2995)

ETHNICTY                 -99.   UNKNOWN                    360.0000       45.0000       10.6503     113.4286    (     8)
   AREA                   11.   NE LARGE                   188.0000       47.0000        9.4868      90.0000    (     4)
   AREA                   21.   NCENT LARGE                 34.0000       34.0000             0            0    (     1)
   AREA                   42.   WEST MEDIUM                 54.0000       54.0000             0            0    (     1)
   AREA                   43.   WEST SMALL                  84.0000       42.0000       16.9706     288.0000    (     2)

ETHNICTY                   1.   WHITE                    64946.0000       56.1817       10.9951     120.8916    (  1156)
   AREA                   11.   NE LARGE                   508.0000       50.8000       15.0540     226.6222    (    10)
   AREA                   12.   NE MEDIUM                 6417.0000       54.8462       12.1730     148.1830    (   117)
   AREA                   13.   NE SMALL                 10648.0000       55.7487       11.9772     143.4523    (   191)
   AREA                   21.   NCENT LARGE               3305.0000       60.0909       10.4833     109.8990    (    55)
   AREA                   22.   NCENT MEDIUM             10151.0000       56.3944       10.1527     103.0782    (   180)
   AREA                   24.   NCENT RURAL              12243.0000       57.7500       11.2494     126.5486    (   212)
   AREA                   31.   SOUTH LARGE                922.0000       48.5263        6.7113      45.0409    (    19)
   AREA                   33.   SOUTH SMALL               9596.0000       58.8712        9.9927      99.8537    (   163)
   AREA                   34.   SOUTH RURAL                772.0000       51.4667        7.1501      51.1238    (    15)
   AREA                   41.   WEST LARGE                 772.0000       55.1429       14.9453     223.3626    (    14)
   AREA                   42.   WEST MEDIUM               5187.0000       56.3804        9.5743      91.6669    (    92)
   AREA                   43.   WEST SMALL                4425.0000       50.2841        7.9509      63.2172    (    88)

ETHNICTY                   2.   BLACK                    73563.0000       47.4294       10.0710     101.4258    (  1551)
   AREA                   11.   NE LARGE                 41849.0000       48.4363       10.3120     106.3366    (   864)
   AREA                   12.   NE MEDIUM                 4158.0000       45.6923        9.7715      95.4821    (    91)
   AREA                   13.   NE SMALL                  1534.0000       46.4848        8.7146      75.9451    (    33)
   AREA                   21.   NCENT LARGE               8926.0000       47.7326       10.2550     105.1647    (   187)
   AREA                   22.   NCENT MEDIUM              4761.0000       50.1158        9.2217      85.0396    (    95)
   AREA                   24.   NCENT RURAL                979.0000       51.5263        8.3889      70.3743    (    19)
   AREA                   31.   SOUTH LARGE               7243.0000       42.1105        8.3298      69.3854    (   172)
   AREA                   33.   SOUTH SMALL                715.0000       47.6667        8.4487      71.3810    (    15)
   AREA                   34.   SOUTH RURAL                953.0000       41.4348        8.4897      72.0751    (    23)
   AREA                   41.   WEST LARGE                 796.0000       46.8235        7.2563      52.6544    (    17)
   AREA                   42.   WEST MEDIUM               1353.0000       46.6552        9.1467      83.6626    (    29)
   AREA                   43.   WEST SMALL                 296.0000       49.3333        2.0656       4.2667    (     6)

ETHNICTY                   3.   OTHER                    14264.0000       50.9429       10.2644     105.3587    (   280)
   AREA                   11.   NE LARGE                  6895.0000       51.8421       11.0542     122.1946    (   133)
   AREA                   12.   NE MEDIUM                  582.0000       52.9091        3.7803      14.2909    (    11)
   AREA                   13.   NE SMALL                   291.0000       48.5000       11.8110     139.5000    (     6)
   AREA                   21.   NCENT LARGE                243.0000       60.7500        9.6738      93.5833    (     4)
   AREA                   22.   NCENT MEDIUM               637.0000       49.0000        9.3808      88.0000    (    13)
   AREA                   24.   NCENT RURAL                109.0000       54.5000         .7071        .5000    (     2)
   AREA                   31.   SOUTH LARGE                733.0000       43.1176        7.8731      61.9853    (    17)
```

A-4-185 (cont.)

```
    VARIABLE             CODE    VALUE LABEL                   SUM           MEAN          STD DEV        VARIANCE        N

      AREA                   33.  SOUTH SMALL              248.0000        62.0000          7.3485        54.0000    (      4)
      AREA                   41.  WEST LARGE               208.0000        52.0000          7.3485        54.0000    (      4)
      AREA                   42.  WEST MEDIUM             1728.0000        54.0000          9.2388        85.3548    (     32)
      AREA                   43.  WEST SMALL              2590.0000        47.9630          8.8679        78.6401    (     54)

   TOTAL CASES =    12996
 MISSING CASES =    10001 OR   77.0 PCT.
```

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MR
    BROKEN DOWN BY    ETHNICTY     RACE OF CHILD
                BY    AREA         REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE     VALUE LABEL                    SUM            MEAN         STD DEV        VARIANCE          N

FOR ENTIRE POPULATION                                       226369.0000        57.4395         13.2861        176.5195     (  3941)

ETHNICTY                   -99.    UNKNOWN                     816.0000        54.4000         14.0855        198.4000     (    15)
   AREA                     21.    NCENT LARGE                  45.0000        45.0000               0               0     (     1)
   AREA                     22.    NCENT MEDIUM                195.0000        65.0000         29.5466        873.0000     (     3)
   AREA                     24.    NCENT RURAL                 263.0000        52.6000          8.2037         67.3000     (     5)
   AREA                     41.    WEST LARGE                   61.0000        61.0000               0               0     (     1)
   AREA                     43.    WEST SMALL                  252.0000        50.4000          7.0214         49.3000     (     5)

ETHNICTY                     1.    WHITE                    108172.0000        63.9314         12.9590        167.9362     (  1692)
   AREA                     11.    NE LARGE                    661.0000        66.1000         15.3293        234.9889     (    10)
   AREA                     12.    NE MEDIUM                 15041.0000        60.8947         11.8756        141.0295     (   247)
   AREA                     13.    NE SMALL                   8550.0000        63.8060         13.5427        183.4057     (   134)
   AREA                     21.    NCENT LARGE                4419.0000        67.9846         15.2996        234.0779     (    65)
   AREA                     22.    NCENT MEDIUM              13833.0000        65.2500         13.1998        174.2358     (   212)
   AREA                     24.    NCENT RURAL               20988.0000        66.4177         12.4215        154.2968     (   316)
   AREA                     31.    SOUTH LARGE                1638.0000        52.8387         13.2718        176.1398     (    31)
   AREA                     33.    SOUTH SMALL               12146.0000        66.0109         11.5820        134.1420     (   184)
   AREA                     34.    SOUTH RURAL                2141.0000        56.3421          9.1866         84.3933     (    38)
   AREA                     41.    WEST LARGE                 1439.0000        68.5238         11.4132        130.2619     (    21)
   AREA                     42.    WEST MEDIUM               12819.0000        63.7761         12.3055        151.4246     (   201)
   AREA                     43.    WEST SMALL                 5100.0000        54.2553         11.3298        128.3642     (    94)
   AREA                     44.    WEST RURAL                 9397.0000        67.6043         12.3386        152.2409     (   139)

ETHNICTY                     2.    BLACK                     94006.0000        52.1387         11.2121        125.7122     (  1803)
   AREA                     11.    NE LARGE                  40778.0000        54.2983         11.3714        129.3083     (   751)
   AREA                     12.    NE MEDIUM                  4574.0000        52.5747         11.3932        129.8054     (    87)
   AREA                     13.    NE SMALL                   1213.0000        50.5417         11.0058        121.1286     (    24)
   AREA                     21.    NCENT LARGE               12333.0000        51.8193         10.4630        109.4735     (   238)
   AREA                     22.    NCENT MEDIUM               7041.0000        55.4409         10.2961        106.0104     (   127)
   AREA                     24.    NCENT RURAL                1063.0000        53.1500         10.0330        100.6605     (    20)
   AREA                     31.    SOUTH LARGE               16489.0000        47.1114         10.9415        119.7153     (   350)
   AREA                     33.    SOUTH SMALL                 621.0000        51.7500          9.3626         87.6591     (    12)
   AREA                     34.    SOUTH RURAL                2492.0000        48.8627          7.4297         55.2008     (    51)
   AREA                     41.    WEST LARGE                 4172.0000        52.1500         10.2427        104.9139     (    80)
   AREA                     42.    WEST MEDIUM                1919.0000        51.8649         10.8811        118.3979     (    37)
   AREA                     43.    WEST SMALL                 1311.0000        50.4231          8.5985         73.9338     (    26)

ETHNICTY                     3.    OTHER                     23375.0000        54.2343         11.3770        129.4357     (   431)
   AREA                     11.    NE LARGE                   3954.0000        54.1644         11.2077        125.6115     (    73)
   AREA                     12.    NE MEDIUM                   496.0000        55.1111          7.8014         60.8611     (     9)
   AREA                     13.    NE SMALL                     50.0000        50.0000               0               0     (     1)
   AREA                     21.    NCENT LARGE                 268.0000        67.0000          9.9331         98.6667     (     4)
   AREA                     22.    NCENT MEDIUM               1968.0000        56.2286         11.0828        122.8286     (    35)
```

A-4-186 (cont.)

```
VARIABLE          CODE   VALUE LABEL                SUM          MEAN        STD DEV       VARIANCE        N

 AREA              24.   NCENT RURAL            142.0000      71.0000        2.8284         8.0000   (      2)
 AREA              31.   SOUTH LARGE           2579.0000      46.8909       10.3507       107.1340   (     55)
 AREA              33.   SOUTH SMALL            350.0000      70.0000       13.8924       193.0000   (      5)
 AREA              34.   SOUTH RURAL           2522.0000      56.0444        8.1963        67.1798   (     45)
 AREA              41.   WEST LARGE            4428.0000      56.7692       11.3354       128.4915   (     78)
 AREA              42.   WEST MEDIUM           3083.0000      55.0536       10.5579       111.4698   (     56)
 AREA              43.   WEST SMALL            3303.0000      51.6094       11.2935       127.5434   (     64)
 AREA              44.   WEST RURAL             232.0000      58.0000       20.8327       434.0000   (      4)

 TOTAL CASES =   12996
MISSING CASES =    9055 OR  69.7 PCT.
```

842

841

A-4-187

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAR     STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY    ETHNICTY    RACE OF CHILD
               BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                  SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      249263.0000       63.2487       12.9306       167.2006    (  3941)

ETHNICTY                   -99.    UNKNOWN                    895.0000       59.6667       12.4020       153.8095    (    15)
   AREA                     21.    NCENT LARGE                 53.0000       53.0000             0              0    (     1)
   AREA                     22.    NCENT MEDIUM               177.0000       59.0000       24.2693       589.0000    (     3)
   AREA                     24.    NCENT RURAL                321.0000       64.2000        7.0852        50.2000    (     5)
   AREA                     41.    WEST LARGE                  63.0000       63.0000             0              0    (     1)
   AREA                     43.    WEST SMALL                 281.0000       56.2000       11.7771       138.7000    (     5)

ETHNICTY                     1.    WHITE                   117054.0000       69.1809       12.6276       159.4575    (  1692)
   AREA                     11.    NE LARGE                   631.0000       63.1000       16.7362       280.1000    (    10)
   AREA                     12.    NE MEDIUM                16724.0000       67.7085       13.2344       175.1505    (   247)
   AREA                     13.    NE SMALL                  8971.0000       66.9478       13.2315       175.0724    (   134)
   AREA                     21.    NCENT LARGE               4645.0000       71.4615       11.6607       135.9712    (    65)
   AREA                     22.    NCENT MEDIUM             15092.0000       71.1887       11.4168       130.3434    (   212)
   AREA                     24.    NCENT RURAL              22790.0000       72.1203       10.4035       108.2331    (   316)
   AREA                     31.    SOUTH LARGE               1787.0000       57.6452       11.2355       126.2366    (    31)
   AREA                     33.    SOUTH SMALL              13380.0000       72.7174       11.5974       134.4989    (   184)
   AREA                     34.    SOUTH RURAL               2371.0000       62.3947       12.6887       161.0021    (    38)
   AREA                     41.    WEST LARGE                1479.0000       70.4286       13.3663       178.6571    (    21)
   AREA                     42.    WEST MEDIUM              13600.0000       67.6617       12.8322       164.6650    (   201)
   AREA                     43.    WEST SMALL                5425.0000       57.7128       11.5121       132.5295    (    94)
   AREA                     44.    WEST RURAL               10159.0000       73.0863       11.6130       134.8621    (   139)

ETHNICTY                     2.    BLACK                   105065.0000       58.2723       11.1562       124.4613    (  1803)
   AREA                     11.    NE LARGE                 45234.0000       60.2317       11.6619       135.9996    (   751)
   AREA                     12.    NE MEDIUM                 5112.0000       58.7586       10.7487       115.5341    (    87)
   AREA                     13.    NE SMALL                  1298.0000       54.0833       11.7025       136.9493    (    24)
   AREA                     21.    NCENT LARGE              13705.0000       57.5840       10.3870       107.8895    (   238)
   AREA                     22.    NCENT MEDIUM              8013.0000       63.0945       10.3406       106.9275    (   127)
   AREA                     24.    NCENT RURAL               1259.0000       62.9500        9.3272        86.9974    (    20)
   AREA                     31.    SOUTH LARGE              18835.0000       53.8143       10.0436       100.8737    (   350)
   AREA                     33.    SOUTH SMALL                733.0000       61.0833        6.3455        40.2652    (    12)
   AREA                     34.    SOUTH RURAL               2830.0000       55.4902        9.3196        86.8549    (    51)
   AREA                     41.    WEST LARGE                4553.0000       56.9125       10.0709       101.4226    (    80)
   AREA                     42.    WEST MEDIUM               2013.0000       54.4054        9.6104        92.3589    (    37)
   AREA                     43.    WEST SMALL                1480.0000       56.9231        9.2690        85.9138    (    26)

ETHNICTY                     3.    OTHER                    26249.0000       60.9026       11.4056       130.0882    (   431)
   AREA                     11.    NE LARGE                  4426.0000       60.6301       13.3182       177.3752    (    73)
   AREA                     12.    NE MEDIUM                  550.0000       61.1111        6.5085        42.3611    (     9)
   AREA                     13.    NE SMALL                    63.0000       63.0000             0              0    (     1)
   AREA                     21.    NCENT LARGE                279.0000       69.7500       13.7689       189.5833    (     4)
   AREA                     22.    NCENT MEDIUM              2231.0000       63.7429       10.5450       111.1966    (    35)
```

```
                                                                                    PAGE  372
                                              A-4-187 (cont.)

  VARIABLE            CODE     VALUE LABEL                   SUM           MEAN        STD DEV        VARIANCE        N

 AREA                     24.  NCENT RURAL             136.0000        68.0000         2.8284          8.0000   (     2)
 AREA                     31.  SOUTH LARGE            2978.0000        54.1455         8.3653         69.9785   (    55)
 AREA                     33.  SOUTH SMALL             387.0000        77.4000         6.8044         46.3000   (     5)
 AREA                     34.  SOUTH RURAL            2844.0000        63.2000         8.8564         78.4364   (    45)
 AREA                     41.  WEST LARGE             4973.0000        63.7564        11.4995        132.2386   (    78)
 AREA                     42.  WEST MEDIUM            3247.0000        57.9821        11.2452        126.4542   (    56)
 AREA                     43.  WEST SMALL             3867.0000        60.4219        10.3660        107.4541   (    64)
 AREA                     44.  WEST RURAL              268.0000        67.0000        18.7617        352.0000   (     4)

TOTAL CASES =   12996
ISSING CASES =    9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
    BROKEN DOWN BY   MOVES     NO. OF SCHOOL TRANSFERS
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM            MEAN         STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                        250957.0000         28.2577         13.0889        171.3195   (  8881)

MOVES                      -99.                              156388.0000         27.4558         13.1032        171.6946   (  5696)
    AREA                    11.    NE LARGE                   46375.0000         27.6700         12.9571        167.8857   (  1676)
    AREA                    12.    NE MEDIUM                  11728.0000         26.1786         11.9712        143.3103   (   448)
    AREA                    13.    NE SMALL                    4857.0000         28.4035         15.0230        225.6892   (   171)
    AREA                    21.    NCENT LARGE                22903.0000         27.4946         12.9982        168.9522   (   833)
    AREA                    22.    NCENT MEDIUM               17023.0000         30.7830         13.8830        192.7391   (   553)
    AREA                    24.    NCENT RURAL                 4380.0000         26.5455         14.3359        205.5177   (   165)
    AREA                    31.    SOUTH LARGE                11024.0000         21.2819         11.2400        126.3382   (   518)
    AREA                    33.    SOUTH SMALL                 2498.0000         24.0192         12.5203        156.7569   (   104)
    AREA                    34.    SOUTH RURAL                 1481.0000         22.7846         12.4743        155.6191   (    65)
    AREA                    41.    WEST LARGE                 14689.0000         30.7301         12.4289        154.4784   (   478)
    AREA                    42.    WEST MEDIUM                 9448.0000         28.6303         12.7973        163.7717   (   330)
    AREA                    43.    WEST SMALL                  7648.0000         26.4637         12.7410        162.3329   (   289)
    AREA                    44.    WEST RURAL                  2334.0000         35.3636         11.2011        125.4657   (    66)

MOVES                        0                                74082.0000         29.6922         12.8750        165.7649   (  2495)
    AREA                    11.    NE LARGE                   19021.0000         28.0546         12.1393        147.3633   (   678)
    AREA                    12.    NE MEDIUM                   5459.0000         30.1602         13.0056        169.1464   (   181)
    AREA                    13.    NE SMALL                    2031.0000         30.7727         11.5955        134.4552   (    66)
    AREA                    21.    NCENT LARGE                 7714.0000         31.1048         13.1800        173.7137   (   248)
    AREA                    22.    NCENT MEDIUM                8486.0000         31.0842         12.3206        151.7980   (   273)
    AREA                    24.    NCENT RURAL                 5145.0000         36.2324         12.8624        165.4421   (   142)
    AREA                    31.    SOUTH LARGE                 5681.0000         21.6008         10.6289        112.9736   (   263)
    AREA                    33.    SOUTH SMALL                 2353.0000         33.1408         13.0343        169.8942   (    71)
    AREA                    34.    SOUTH RURAL                 2707.0000         22.7479         10.0467        100.9359   (   119)
    AREA                    41.    WEST LARGE                  4522.0000         36.7642         11.8488        140.3948   (   123)
    AREA                    42.    WEST MEDIUM                 6092.0000         34.0335         13.0521        170.3584   (   179)
    AREA                    43.    WEST SMALL                  3334.0000         28.4957         11.0404        121.8901   (   117)
    AREA                    44.    WEST RURAL                  1537.0000         43.9143          8.3009         68.9042   (    35)

MOVES                       1.                                16173.0000         30.4576         13.0901        171.3506   (   531)
    AREA                    11.    NE LARGE                     718.0000         25.6429         10.3000        106.0899   (    28)
    AREA                    12.    NE MEDIUM                   1656.0000         33.7959         15.4097        237.4575   (    49)
    AREA                    13.    NE SMALL                    2049.0000         33.5902         12.6311        159.5459   (    61)
    AREA                    21.    NCENT LARGE                 1377.0000         28.1020         10.9644        120.2185   (    49)
    AREA                    22.    NCENT MEDIUM                1504.0000         34.1818         14.2589        203.3150   (    44)
    AREA                    24.    NCENT RURAL                 3163.0000         34.0108         13.3543        178.3368   (    93)
    AREA                    31.    SOUTH LARGE                  852.0000         20.2857         11.3229        128.2091   (    42)
    AREA                    33.    SOUTH SMALL                 1198.0000         29.9500         12.0447        145.0744   (    40)
    AREA                    34.    SOUTH RURAL                  234.0000         21.2727          6.5283         42.6182   (    11)
    AREA                    41.    WEST LARGE                   905.0000         27.4242         10.0251        100.5019   (    33)
    AREA                    42.    WEST MEDIUM                 1179.0000         28.0714         10.9887        120.7509   (    42)
```

A-4-188 (cont.)

```
 VARIABLE                 CODE    VALUE LABEL                 SUM           MEAN       STD DEV      VARIANCE         N

   AREA                     43.  WEST SMALL               423.0000       26.4375       12.2200      149.3292   (    16)
   AREA                     44.  WEST RURAL               915.0000       39.7826       10.3965      108.0870   (    23)

MOVES                        2.                          3935.0000       26.4094       13.0415      170.0813   (   149)
   AREA                     11.  NE LARGE                  35.0000       17.5000         .7071         .5000   (     2)
   AREA                     12.  NE MEDIUM                159.0000       31.8000        9.3113       86.7000   (     5)
   AREA                     13.  NE SMALL                 776.0000       27.7143       10.0696      101.3968   (    28)
   AREA                     21.  NCENT LARGE               97.0000       19.4000        8.4439       71.3000   (     5)
   AREA                     22.  NCENT MEDIUM             400.0000       30.7692       13.6757      187.0256   (    13)
   AREA                     24.  NCENT RURAL              810.0000       38.5714       13.3251      177.5571   (    21)
   AREA                     31.  SOUTH LARGE             1129.0000       19.8070       10.1020      102.0514   (    57)
   AREA                     33.  SOUTH SMALL              348.0000       29.0000       15.7365      247.6364   (    12)
   AREA                     41.  WEST LARGE               105.0000       26.2500       12.8420      164.9167   (     4)
   AREA                     42.  WEST MEDIUM               50.0000       50.0000             0             0   (     1)
   AREA                     43.  WEST SMALL                26.0000       26.0000             0             0   (     1)

MOVES                        3.                           379.0000       37.9000       12.0411      144.9889   (    10)
   AREA                     13.  NE SMALL                  43.0000       43.0000             0             0   (     1)
   AREA                     22.  NCENT MEDIUM              37.0000       37.0000             0             0   (     1)
   AREA                     24.  NCENT RURAL              242.0000       40.3333       14.5694      212.2667   (     6)
   AREA                     33.  SOUTH SMALL               57.0000       28.5000        2.1213        4.5000   (     2)

  TOTAL CASES =    12996
 MISSING CASES =    4115 OR  31.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

      VARIABLE              CODE      VALUE LABEL                   SUM            MEAN         STD DEV        VARIANCE         N

FOR ENTIRE POPULATION                                         170730.0000         33.3327        12.8089        164.0674     (  5122)

MOVES                        -99.                             110355.0000         32.3337        12.7017        161.3338     (  3413)
   AREA                       11.   NE LARGE                   22990.0000         31.0256        13.2161        174.6656     (   741)
   AREA                       12.   NE MEDIUM                  10384.0000         33.9346        13.0143        169.3728     (   306)
   AREA                       13.   NE SMALL                    5006.0000         32.0897        12.6350        159.6435     (   156)
   AREA                       21.   NCENT LARGE                17460.0000         32.7580        12.1236        146.9808     (   533)
   AREA                       22.   NCENT MEDIUM               17754.0000         38.4286        12.5690        157.9808     (   462)
   AREA                       24.   NCENT RURAL                 3111.0000         33.8152        12.1682        148.0644     (    92)
   AREA                       31.   SOUTH LARGE                 9861.0000         27.4680        10.2078        104.1994     (   359)
   AREA                       32.   SOUTH MEDIUM                4405.0000         28.9803         8.9305         79.7546     (   152)
   AREA                       33.   SOUTH SMALL                 2697.0000         30.3034        12.2450        149.9410     (    89)
   AREA                       34.   SOUTH RURAL                  528.0000         22.0000        12.1441        147.4783     (    24)
   AREA                       41.   WEST LARGE                  2721.0000         34.0125        13.2326        175.1011     (    80)
   AREA                       42.   WEST MEDIUM                 8439.0000         33.0941        12.9152        166.8021     (   255)
   AREA                       43.   WEST SMALL                  4999.0000         30.4817        12.2822        150.8524     (   164)

MOVES                          0                               47693.0000         35.3806        12.7533        162.6472     (  1348)
   AREA                       11.   NE LARGE                   10056.0000         32.5437        11.7599        138.2944     (   309)
   AREA                       12.   NE MEDIUM                   4645.0000         39.7009        10.9507        119.9184     (   117)
   AREA                       13.   NE SMALL                    2255.0000         38.8793        12.8159        164.2483     (    58)
   AREA                       21.   NCENT LARGE                 4868.0000         38.3307        12.4824        155.8104     (   127)
   AREA                       22.   NCENT MEDIUM                6485.0000         39.3030        13.1146        171.9930     (   165)
   AREA                       24.   NCENT RURAL                 3881.0000         40.4271        11.6300        135.2578     (    96)
   AREA                       31.   SOUTH LARGE                 4250.0000         28.9116         8.3674         70.0127     (   147)
   AREA                       33.   SOUTH SMALL                 2057.0000         36.7321        16.1206        259.8724     (    56)
   AREA                       34.   SOUTH RURAL                 1303.0000         24.5849        12.4057        153.9013     (    53)
   AREA                       41.   WEST LARGE                  1601.0000         38.1190        15.0563        226.6928     (    42)
   AREA                       42.   WEST MEDIUM                 3803.0000         38.0300        13.5910        184.7163     (   100)
   AREA                       43.   WEST SMALL                  2489.0000         31.9103         9.2402         85.3815     (    78)

MOVES                         1.                               10230.0000         36.0211        13.0102        169.2646     (   284)
   AREA                       11.   NE LARGE                     512.0000         42.6667         8.8660         78.6061     (    12)
   AREA                       12.   NE MEDIUM                   1465.0000         43.0882        14.2582        203.2950     (    34)
   AREA                       13.   NE SMALL                    1462.0000         37.4872        15.3552        235.7827     (    39)
   AREA                       21.   NCENT LARGE                 1385.0000         32.9762         8.1165         65.8775     (    42)
   AREA                       22.   NCENT MEDIUM                 406.0000         36.9091        17.0907        292.0909     (    11)
   AREA                       24.   NCENT RURAL                 1820.0000         39.5652        12.5992        158.7401     (    46)
   AREA                       31.   SOUTH LARGE                  891.0000         30.7241        10.7832        116.2783     (    29)
   AREA                       33.   SOUTH SMALL                 1202.0000         33.3889        13.9985        195.9587     (    36)
   AREA                       34.   SOUTH RURAL                  205.0000         29.2857         7.8042         60.9048     (     7)
   AREA                       41.   WEST LARGE                    16.0000         16.0000         0              0          (     1)
   AREA                       42.   WEST MEDIUM                  526.0000         32.8750        11.6326        135.3167     (    16)
   AREA                       43.   WEST SMALL                   340.0000         30.9091         7.6086         57.8909     (    11)
```

A-4-189 (cont.)

```
VARIABLE              CODE   VALUE LABEL              SUM          MEAN        STD DEV      VARIANCE        N

MOVES                    2.                        2262.0000      31.4167      12.0337      144.8099   (     72)
   AREA                 11.  NE LARGE                17.0000      17.0000            0             0   (      1)
   AREA                 12.  NE MEDIUM               73.0000      36.5000        .7071         .5000   (      2)
   AREA                 13.  NE SMALL               638.0000      33.5789       9.3945       88.2573   (     19)
   AREA                 21.  NCENT LARGE             68.0000      22.6667       2.5166        6.3333   (      3)
   AREA                 22.  NCENT MEDIUM           302.0000      37.7500      17.5316      307.3571   (      8)
   AREA                 24.  NCENT RURAL            287.0000      41.0000      14.1185      199.3333   (      7)
   AREA                 31.  SOUTH LARGE            591.0000      25.6957       8.9414       79.9486   (     23)
   AREA                 33.  SOUTH SMALL            286.0000      31.7778      12.6370      159.6944   (      9)

MOVES                    3.                         190.0000      38.0000      15.5242      241.0000   (      5)
   AREA                 22.  NCENT MEDIUM            46.0000      46.0000            0             0   (      1)
   AREA                 24.  NCENT RURAL            105.0000      35.0000      20.8806      436.0000   (      3)
   AREA                 33.  SOUTH SMALL             39.0000      39.0000            0             0   (      1)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - -
CRITERION VARIABLE    SSKMLS      STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY    MOVES       NO. OF SCHOOL TRANSFERS
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE     VALUE LABEL                  SUM          MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     123551.0000       26.5473        4.4723       20.0011   (  4654)

MOVES                      -99.                            81048.0000   ,   26.2631        4.4087       19.4367   (  3086)
   AREA                     11.   NE LARGE                 15465.0000       25.9916        4.7879       22.9242   (   595)
   AREA                     12.   NE MEDIUM                 7350.0000       26.2500        4.6205       21.3495   (   280)
   AREA                     13.   NE SMALL                  3944.0000       26.8299        4.5547       20.7449   (   147)
   AREA                     21.   NCENT LARGE              13311.0000       26.4107        4.2149       17.7654   (   504)
   AREA                     22.   NCENT MEDIUM             12302.0000       27.7072        4.5636       20.8260   (   444)
   AREA                     24.   NCENT RURAL               2310.0000       26.5517        4.2965       18.4595   (    87)
   AREA                     31.   SOUTH LARGE               7753.0000       24.2281        3.1624       10.0011   (   320)
   AREA                     32.   SOUTH MEDIUM              3828.0000       25.3510        3.3110       10.9626   (   151)
   AREA                     33.   SOUTH SMALL               2170.0000       25.8333        3.3215       11.0321   (    84)
   AREA                     34.   SOUTH RURAL                275.0000       25.0000        3.6606       13.4000   (    11)
   AREA                     41.   WEST LARGE                2064.0000       26.8052        5.0499       25.5010   (    77)
   AREA                     42.   WEST MEDIUM               6348.0000       26.8983        4.6748       21.8536   (   236)
   AREA                     43.   WEST SMALL                3928.0000       26.1867        3.6772       13.5220   (   150)

MOVES                        0                             33408.0000       27.0291        4.4751       20.0267   (  1236)
   AREA                     11.   NE LARGE                  6680.0000       26.1961        3.9256       15.4102   (   255)
   AREA                     12.   NE MEDIUM                 3129.0000       27.6903        4.0710       16.5729   (   113)
   AREA                     13.   NE SMALL                  1621.0000       27.9483        3.9755       15.8043   (    58)
   AREA                     21.   NCENT LARGE               3409.0000       28.1736        4.9425       24.4280   (   121)
   AREA                     22.   NCENT MEDIUM              4369.0000       27.8280        5.2626       27.6946   (   157)
   AREA                     24.   NCENT RURAL               2620.0000       27.2917        3.9866       15.8930   (    96)
   AREA                     31.   SOUTH LARGE               3459.0000       24.5319        2.8848        8.3222   (   141)
   AREA                     33.   SOUTH SMALL               1480.0000       27.9245        4.6486       21.6096   (    53)
   AREA                     34.   SOUTH RURAL                733.0000       26.1786        4.9818       24.8188   (    28)
   AREA                     41.   WEST LARGE                1163.0000       27.6905        5.0243       25.2433   (    42)
   AREA                     42.   WEST MEDIUM               2727.0000       28.4063        5.3046       28.1395   (    96)
   AREA                     43.   WEST SMALL                2018.0000       26.5526        3.5266       12.4372   (    76)

MOVES                       1.                              7356.0000       27.5506        4.9311       24.3160   (   267)
   AREA                     11.   NE LARGE                   347.0000       28.9167        4.2095       17.7197   (    12)
   AREA                     12.   NE MEDIUM                  986.0000       29.8788        6.0661       36.7973   (    33)
   AREA                     13.   NE SMALL                  1009.0000       28.0278        4.7418       22.4849   (    36)
   AREA                     21.   NCENT LARGE               1076.0000       26.2439        2.8877        8.3390   (    41)
   AREA                     22.   NCENT MEDIUM               295.0000       26.8182        6.7649       45.7636   (    11)
   AREA                     24.   NCENT RURAL               1326.0000       28.8261        5.5750       31.0802   (    46)
   AREA                     31.   SOUTH LARGE                681.0000       25.2222        4.0888       16.7179   (    27)
   AREA                     33.   SOUTH SMALL                880.0000       27.5000        4.8126       23.1613   (    32)
   AREA                     34.   SOUTH RURAL                105.0000       26.2500        4.0311       16.2500   (     4)
   AREA                     41.   WEST LARGE                  22.0000       22.0000        0               0      (     1)
   AREA                     42.   WEST MEDIUM                372.0000       26.5714        4.6528       21.6484   (    14)
   AREA                     43.   WEST SMALL                 257.0000       25.7000        2.2136        4.9000   (    10)
```

A-4-190 (cont.)

```
VARIABLE              CODE    VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

MOVES                    2.                         1630.0000       26.7213         4.2274       17.8710   (   61)
   AREA                 12.  NE MEDIUM                58.0000       29.0000         1.4142        2.0000   (    2)
   AREA                 13.  NE SMALL                400.0000       28.5714         3.1308        9.8022   (   14)
   AREA                 21.  NCENT LARGE              68.0000       22.6667         2.8868        8.3333   (    3)
   AREA                 22.  NCENT MEDIUM            202.0000       28.8571         6.3621       40.4762   (    7)
   AREA                 24.  NCENT RURAL             203.0000       29.0000         3.7859       14.3333   (    7)
   AREA                 31.  SOUTH LARGE             471.0000       24.7895         3.2588       10.6199   (   19)
   AREA                 33.  SOUTH SMALL             228.0000       25.3333         4.2131       17.7500   (    9)

MOVES                    3.                          109.0000       27.2500         2.6300        6.9167   (    4)
   AREA                 22.  NCENT MEDIUM             25.0000       25.0000              0             0   (    1)
   AREA                 24.  NCENT RURAL              57.0000       28.5000         3.5355       12.5000   (    2)
   AREA                 33.  SOUTH SMALL              27.0000       27.0000              0             0   (    1)

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ----------------
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL               SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  119208.0000       25.6141       4.5696       20.8813    (  4654)

MOVES                      -99.                          77947.0000       25.2583       4.6206       21.3501    (  3086)
    AREA                    11.   NE LARGE               15320.0000       25.7479       4.5764       20.9431    (   595)
    AREA                    12.   NE MEDIUM               7229.0000       25.8179       4.3944       19.3108    (   280)
    AREA                    13.   NE SMALL                3643.0000       24.7823       4.9248       24.2537    (   147)
    AREA                    21.   NCENT LARGE            12744.0000       25.2857       4.4101       19.4490    (   504)
    AREA                    22.   NCENT MEDIUM           11775.0000       26.5203       4.6315       21.4511    (   444)
    AREA                    24.   NCENT RURAL             2147.0000       24.6782       4.7090       22.1743    (    87)
    AREA                    31.   SOUTH LARGE             7558.0000       23.6187       4.3063       18.5438    (   320)
    AREA                    32.   SOUTH MEDIUM            3587.0000       23.7550       4.2442       18.0129    (   151)
    AREA                    33.   SOUTH SMALL             2005.0000       23.8690       4.5331       20.5489    (    84)
    AREA                    34.   SOUTH RURAL              266.0000       24.1818       5.0163       25.1636    (    11)
    AREA                    41.   WEST LARGE              1989.0000       25.8312       4.8106       23.1422    (    77)
    AREA                    42.   WEST MEDIUM             6027.0000       25.5381       4.5056       20.3007    (   236)
    AREA                    43.   WEST SMALL              3657.0000       24.3800       4.9584       24.5862    (   150)

MOVES                        0                           32504.0000       26.2977       4.3574       18.9866    (  1236)
    AREA                    11.   NE LARGE                6741.0000       26.4353       4.0131       16.1050    (   255)
    AREA                    12.   NE MEDIUM               3134.0000       27.7345       3.7079       13.7482    (   113)
    AREA                    13.   NE SMALL                1561.0000       26.9138       4.5278       20.5012    (    58)
    AREA                    21.   NCENT LARGE             3264.0000       26.9752       4.3445       18.8744    (   121)
    AREA                    22.   NCENT MEDIUM            4229.0000       26.9363       4.3081       18.5600    (   157)
    AREA                    24.   NCENT RURAL             2594.0000       27.0208       4.0418       16.3366    (    96)
    AREA                    31.   SOUTH LARGE             3400.0000       24.1135       3.7723       14.2299    (   141)
    AREA                    33.   SOUTH SMALL             1371.0000       25.8679       5.0651       25.6553    (    53)
    AREA                    34.   SOUTH RURAL              680.0000       24.2857       4.7598       22.6561    (    28)
    AREA                    41.   WEST LARGE              1137.0000       27.0714       4.7493       22.5557    (    42)
    AREA                    42.   WEST MEDIUM             2539.0000       26.4479       5.0071       25.0709    (    96)
    AREA                    43.   WEST SMALL              1854.0000       24.3947       3.9364       15.4956    (    76)

MOVES                       1.                            7049.0000       26.4007       4.5884       21.0531    (   267)
    AREA                    11.   NE LARGE                 312.0000       26.0000       5.5922       31.2727    (    12)
    AREA                    12.   NE MEDIUM                955.0000       28.9394       4.6967       22.0587    (    33)
    AREA                    13.   NE SMALL                 965.0000       26.8056       5.2959       28.0468    (    36)
    AREA                    21.   NCENT LARGE             1065.0000       25.9756       2.8150        7.9244    (    41)
    AREA                    22.   NCENT MEDIUM             300.0000       27.2727       5.0614       25.6182    (    11)
    AREA                    24.   NCENT RURAL             1232.0000       26.7826       4.7977       23.0184    (    46)
    AREA                    31.   SOUTH LARGE              655.0000       24.2593       4.2571       18.1225    (    27)
    AREA                    33.   SOUTH SMALL              838.0000       26.1875       4.5468       20.6734    (    32)
    AREA                    34.   SOUTH RURAL              100.0000       25.0000       2.3094        5.3333    (     4)
    AREA                    41.   WEST LARGE                18.0000       18.0000            0             0    (     1)
    AREA                    42.   WEST MEDIUM              359.0000       25.6429       3.5865       12.8626    (    14)
    AREA                    43.   WEST SMALL               250.0000       25.0000       4.5947       21.1111    (    10)
```

A-4-191 (cont.)

```
VARIABLE            CODE    VALUE LABEL                    SUM          MEAN       STD DEV     VARIANCE         N

MOVES                 2.                             1596.0000       26.1639      4.2237      17.8393    (     61)
   AREA              12.   NE MEDIUM                   53.0000       26.5000       .7071        .5000    (      2)
   AREA              13.   NE SMALL                   390.0000       27.8571      2.4450       5.9780    (     14)
   AREA              21.   NCENT LARGE                 64.0000       21.3333      2.0817       4.3333    (      3)
   AREA              22.   NCENT MEDIUM               207.0000       29.5714      5.9682      35.6190    (      7)
   AREA              24.   NCENT RURAL                192.0000       27.4286      2.7603       7.6190    (      7)
   AREA              31.   SOUTH LARGE                464.0000       24.4211      3.7166      13.8129    (     19)
   AREA              33.   SOUTH SMALL                226.0000       25.1111      5.0607      25.6111    (      9)

MOVES                 3.                              112.0000       28.0000       .8165        .6667    (      4)
   AREA              22.   NCENT MEDIUM                28.0000       28.0000       0            0        (      1)
   AREA              24.   NCENT RURAL                 56.0000       28.0000      1.4142       2.0000    (      2)
   AREA              33.   SOUTH SMALL                 28.0000       28.0000       0            0        (      1)

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-192

281

```
------------------ D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ------------------
CRITERION VARIABLE   SSKMMA     STAND SC SPR KIND MAT NUMBERS
   BROKEN DOWN BY    MOVES      NO. OF SCHOOL TRANSFERS
               BY    AREA       REGION AND CITYSIZE INDICATOR
-----------------------------------------------------------------------------------------------

    VARIABLE            CODE     VALUE LABEL             SUM          MEAN      STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                               105590.0000     22.6880      6.5407     42.7804   (  4654)

MOVES                   -99.                         68617.0000     22.2349      6.5101     42.3814   (  3086)
   AREA                  11.   NE LARGE              13109.0000     22.0319      7.1688     51.3912   (   595)
   AREA                  12.   NE MEDIUM              6238.0000     22.2786      6.3664     40.5314   (   280)
   AREA                  13.   NE SMALL               3198.0000     21.7551      6.2248     38.7478   (   147)
   AREA                  21.   NCENT LARGE           11184.0000     22.1905      5.9293     35.1565   (   504)
   AREA                  22.   NCENT MEDIUM          11134.0000     25.0766      6.5247     42.5720   (   444)
   AREA                  24.   NCENT RURAL            2110.0000     24.2529      5.5368     30.6562   (    87)
   AREA                  31.   SOUTH LARGE            6163.0000     19.2594      5.4097     29.2648   (   320)
   AREA                  32.   SOUTH MEDIUM           3026.0000     20.0397      4.6374     21.5051   (   151)
   AREA                  33.   SOUTH SMALL            1789.0000     21.2976      6.5359     42.7176   (    84)
   AREA                  34.   SOUTH RURAL             248.0000     22.5455      4.0832     16.6727   (    11)
   AREA                  41.   WEST LARGE             1684.0000     21.8701      6.4916     42.1408   (    77)
   AREA                  42.   WEST MEDIUM            5416.0000     22.9492      7.5460     56.9421   (   236)
   AREA                  43.   WEST SMALL             3318.0000     22.1200      4.8118     23.1533   (   150)
MOVES                     0                          29289.0000     23.6966      6.5138     42.4301   (  1236)
   AREA                  11.   NE LARGE               5715.0000     22.4118      4.9493     24.4951   (   255)
   AREA                  12.   NE MEDIUM              2714.0000     24.0177      6.4724     41.8925   (   113)
   AREA                  13.   NE SMALL               1430.0000     24.6552      6.8353     46.7211   (    58)
   AREA                  21.   NCENT LARGE            2946.0000     24.3471      6.3649     40.5118   (   121)
   AREA                  22.   NCENT MEDIUM           4089.0000     26.0446      7.2751     52.9275   (   157)
   AREA                  24.   NCENT RURAL            2669.0000     27.8021      5.5661     30.9815   (    96)
   AREA                  31.   SOUTH LARGE            2720.0000     19.2908      5.4923     30.1648   (   141)
   AREA                  33.   SOUTH SMALL            1282.0000     24.1887      7.2458     52.5022   (    53)
   AREA                  34.   SOUTH RURAL             600.0000     21.4286      5.2099     27.1429   (    28)
   AREA                  41.   WEST LARGE              998.0000     23.7619      7.8330     61.3566   (    42)
   AREA                  42.   WEST MEDIUM            2424.0000     25.2500      6.8794     47.3263   (    96)
   AREA                  43.   WEST SMALL             1702.0000     22.3947      4.8856     23.8688   (    76)
MOVES                     1.                          6297.0000     23.5843      6.5731     43.2062   (   267)
   AREA                  11.   NE LARGE                356.0000     29.6667      7.0496     49.6970   (    12)
   AREA                  12.   NE MEDIUM               843.0000     25.5455      8.3856     70.3182   (    33)
   AREA                  13.   NE SMALL                874.0000     24.2778      6.6745     44.5492   (    36)
   AREA                  21.   NCENT LARGE             861.0000     21.0000      5.0299     25.3000   (    41)
   AREA                  22.   NCENT MEDIUM            270.0000     24.5455     12.3884    153.4727   (    11)
   AREA                  24.   NCENT RURAL            1161.0000     25.2391      4.9539     24.5415   (    46)
   AREA                  31.   SOUTH LARGE             558.0000     20.6667      5.5953     31.3077   (    27)
   AREA                  33.   SOUTH SMALL             712.0000     22.2500      5.1053     26.0645   (    32)
   AREA                  34.   SOUTH RURAL              91.0000     22.7500      1.8930      3.5833   (     4)
   AREA                  41.   WEST LARGE               12.0000     12.0000      0            0        (     1)
   AREA                  42.   WEST MEDIUM             330.0000     23.5714      5.0796     25.8022   (    14)
   AREA                  43.   WEST SMALL              229.0000     22.9000      3.1780     10.1000   (    10)
```

A-4-192 (cont.)

```
VARIABLE              CODE   VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

MOVES                   2.                          1269.0000      20.8033       5.6030      31.3940   (    61)
   AREA                12.   NE MEDIUM                42.0000      21.0000       1.4142       2.0000   (     2)
   AREA                13.   NE SMALL                303.0000      21.6429       1.9057       3.6319   (    14)
   AREA                21.   NCENT LARGE              56.0000      18.6667       4.7258      22.3333   (     3)
   AREA                22.   NCENT MEDIUM            174.0000      24.8571       4.5617      20.8095   (     7)
   AREA                24.   NCENT RURAL             178.0000      25.4286       7.5907      57.6190   (     7)
   AREA                31.   SOUTH LARGE             336.0000      17.6842       5.6475      31.8947   (    19)
   AREA                33.   SOUTH SMALL             180.0000      20.0000       5.7663      33.2500   (     9)

MOVES                   3.                           118.0000      29.5000       2.8868       8.3333   (     4)
   AREA                22.   NCENT MEDIUM             33.0000      33.0000            0            0   (     1)
   AREA                24.   NCENT RURAL              59.0000      29.5000        .7071        .5000   (     2)
   AREA                33.   SOUTH SMALL              26.0000      26.0000            0            0   (     1)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSIMR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     155837.0000      37.1837      10.4335      108.8588   (  4191)

MOVES                     -99.                            104493.0000      36.0196      10.2444      104.9475   (  2901)
   AREA                    11.    NE LARGE                 42203.0000      35.2573       9.9974       99.9488   (  1197)
   AREA                    12.    NE MEDIUM                 7487.0000      36.1691       8.8018       77.4713   (   207)
   AREA                    13.    NE SMALL                  3121.0000      37.6024      10.9499      119.9010   (    83)
   AREA                    21.    NCENT LARGE               7491.0000      37.0842      10.9475      119.8486   (   202)
   AREA                    22.    NCENT MEDIUM             10798.0000      40.5940      11.1913      125.2459   (   266)
   AREA                    24.    NCENT RURAL               3500.0000      38.0435      10.3158      106.4157   (    92)
   AREA                    31.    SOUTH LARGE               4740.0000      30.1911       6.9302       48.0274   (   157)
   AREA                    33.    SOUTH SMALL               4580.0000      44.4660      12.2465      149.9760   (   103)
   AREA                    34.    SOUTH RURAL               2202.0000      35.5161       8.8220       77.8276   (    62)
   AREA                    41.    WEST LARGE               10869.0000      35.0613       9.3660       87.7212   (   310)
   AREA                    42.    WEST MEDIUM               2847.0000      36.5000      10.1030      102.0714   (    78)
   AREA                    43.    WEST SMALL                4655.0000      32.3264       7.2458       52.5011   (   144)

MOVES                       0                              40287.0000      39.6916      10.2969      106.0261   (  1015)
   AREA                    11.    NE LARGE                 11207.0000      37.8615       9.9799       99.5977   (   296)
   AREA                    12.    NE MEDIUM                 3791.0000      39.9053      10.0637      101.2782   (    95)
   AREA                    13.    NE SMALL                  1322.0000      40.0606       8.5730       73.4962   (    33)
   AREA                    21.    NCENT LARGE               2948.0000      42.1143      11.2270      126.0447   (    70)
   AREA                    22.    NCENT MEDIUM              5748.0000      43.5455       9.7694       95.4407   (   132)
   AREA                    24.    NCENT RURAL               3582.0000      47.7600       8.2197       67.5632   (    75)
   AREA                    31.    SOUTH LARGE               1762.0000      32.0364       7.5938       57.6653   (    55)
   AREA                    33.    SOUTH SMALL               1188.0000      45.6923      12.4443      154.8615   (    26)
   AREA                    34.    SOUTH RURAL               1985.0000      36.0909       6.6144       43.7508   (    55)
   AREA                    41.    WEST LARGE                2789.0000      40.4203       9.3893       88.1590   (    69)
   AREA                    42.    WEST MEDIUM               2107.0000      39.7547      10.7630      115.8425   (    53)
   AREA                    43.    WEST SMALL                1858.0000      33.1786       7.5705       57.3130   (    56)

MOVES                       1.                              8245.0000      40.4167      10.5358      111.0029   (   204)
   AREA                    11.    NE LARGE                   447.0000      37.2500       7.0855       50.2045   (    12)
   AREA                    12.    NE MEDIUM                  964.0000      40.1667      10.4826      109.8841   (    24)
   AREA                    13.    NE SMALL                  1466.0000      44.4242       7.2069       51.9394   (    33)
   AREA                    21.    NCENT LARGE                304.0000      38.0000       7.8921       62.2857   (     8)
   AREA                    22.    NCENT MEDIUM               387.0000      35.1818       8.2075       67.3636   (    11)
   AREA                    24.    NCENT RURAL               2510.0000      47.3585      10.4901      110.0421   (    53)
   AREA                    31.    SOUTH LARGE                429.0000      30.6429       6.2093       38.5549   (    14)
   AREA                    33.    SOUTH SMALL                738.0000      41.0000       9.6406       92.9412   (    18)
   AREA                    34.    SOUTH RURAL                255.0000      36.4286       6.3733       40.6190   (     7)
   AREA                    41.    WEST LARGE                 250.0000      27.7778       7.8705       61.9444   (     9)
   AREA                    42.    WEST MEDIUM                148.0000      37.0000       9.3095       86.6667   (     4)
   AREA                    43.    WEST SMALL                 347.0000      31.5455       7.2161       52.0727   (    11)

MOVES                       2.                              2467.0000      38.5469      11.1838      125.0771   (    64)
   AREA                    11.    NE LARGE                    72.0000      36.0000       9.8995       98.0000   (     2)
```

A-4-193 (cont.)

```
VARIABLE            CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE        N

                                                   28.0000       28.0000           0             0   (     1)
  AREA               12.  NE MEDIUM               651.0000       38.2941      7.2177       52.0956   (    17)
  AREA               13.  NE SMALL                163.0000       40.7500      3.7749       14.2500   (     4)
  AREA               22.  NCENT MEDIUM            640.0000       53.3333      8.8146       77.6970   (    12)
  AREA               24.  NCENT RURAL             695.0000       30.2174      6.9997       48.9960   (    23)
  AREA               31.  SOUTH LARGE             218.0000       43.6000     10.9681      120.3000   (     5)
  AREA               33.  SOUTH SMALL

                                                  345.0000       49.2857      6.5247       42.5714   (     7)
MOVES                 3.                          248.0000       49.6000      7.8930       62.3000   (     5)
  AREA               24.  NCENT RURAL              97.0000       48.5000      2.1213        4.5000   (     2)
  AREA               33.  SOUTH SMALL

 TOTAL CASES =   12996
MISSING CASES =   8805 OR  67.8 PCT.
```

A-4-194

[illegible]

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                  SUM            MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     153729.0000        36.6807        11.7979       139.1911    ( 4191)

MOVES                       -99.                          103895.0000        35.8135        11.8248       139.8249    ( 2901)
   AREA                      11.   NE LARGE                44028.0000        36.7820        12.6548       160.1429    ( 1197)
   AREA                      12.   NE MEDIUM                7120.0000        34.3961        10.4972       110.1918    (  207)
   AREA                      13.   NE SMALL                 3282.0000        39.5422        11.8479       140.3732    (   83)
   AREA                      21.   NCENT LARGE              6937.0000        34.3416        11.9554       142.9325    (  202)
   AREA                      22.   NCENT MEDIUM            10363.0000        38.9586        10.7575       115.7228    (  266)
   AREA                      24.   NCENT RURAL              3697.0000        40.1848        11.9154       141.9765    (   92)
   AREA                      31.   SOUTH LARGE              4359.0000        27.7643         9.1632        83.9633    (  157)
   AREA                      33.   SOUTH SMALL              4133.0000        40.1262        11.5025       132.3074    (  103)
   AREA                      34.   SOUTH RURAL              1953.0000        31.5000         9.7422        94.9098    (   62)
   AREA                      41.   WEST LARGE              10481.0000        33.8097         9.7996        96.0316    (  310)
   AREA                      42.   WEST MEDIUM              2879.0000        36.9103        12.0121       144.2905    (   78)
   AREA                      43.   WEST SMALL               4663.0000        32.3819         8.5599        73.2727    (  144)

MOVES                        0                             38994.0000        38.4177        11.1391       124.0798    ( 1015)
   AREA                      11.   NE LARGE                11357.0000        38.3682        11.4221       130.4639    (  296)
   AREA                      12.   NE MEDIUM                3545.0000        37.3158        11.4253       130.5375    (   95)
   AREA                      13.   NE SMALL                 1305.0000        39.5455         7.9730   [illegible].5682    (   33)
   AREA                      21.   NCENT LARGE              2772.0000        39.6000        13.7813  1[illegible].9246    (   70)
   AREA                      22.   NCENT MEDIUM             5401.0000        40.9167         8.5837        73.6800    (  132)
   AREA                      24.   NCENT RURAL              3582.0000        47.7600         9.2208        85.0227    (   75)
   AREA                      31.   SOUTH LARGE              1585.0000        28.8182         8.7010        75.7071    (   55)
   AREA                      33.   SOUTH SMALL              1112.0000        42.7692        10.1718       103.4646    (   26)
   AREA                      34.   SOUTH RURAL              1810.0000        32.9091         6.8995        47.6027    (   55)
   AREA                      41.   WEST LARGE               2567.0000        37.2029        11.0208       121.4582    (   69)
   AREA                      42.   WEST MEDIUM              2118.0000        39.9623        10.8450       117.6139    (   53)
   AREA                      43.   WEST SMALL               1840.0000        32.8571         8.0237        64.3792    (   56)

MOVES                        1.                             8028.0000        39.3529        12.3134       151.6187    (  204)
   AREA                      11.   NE LARGE                  443.0000        36.9167         9.7186        94.4470    (   12)
   AREA                      12.   NE MEDIUM                 877.0000        36.5417        11.1744       124.8678    (   24)
   AREA                      13.   NE SMALL                 1370.0000        41.5152        10.2260       104.5701    (   33)
   AREA                      21.   NCENT LARGE               289.0000        36.1250         8.7739        76.9821    (    8)
   AREA                      22.   NCENT MEDIUM              370.0000        33.6364         5.5906        31.2545    (   11)
   AREA                      24.   NCENT RURAL              2608.0000        49.2075        12.7978       163.7830    (   53)
   AREA                      31.   SOUTH LARGE               374.0000        26.7143         6.7645        45.7582    (   14)
   AREA                      33.   SOUTH SMALL               710.0000        39.4444         8.7260        76.1438    (   18)
   AREA                      34.   SOUTH RURAL               177.0000        25.2857         7.5876        57.5714    (    7)
   AREA                      41.   WEST LARGE                268.0000        29.7778         8.2125        67.4444    (    9)
   AREA                      42.   WEST MEDIUM               157.0000        39.2500         7.3655        54.2500    (    4)
   AREA                      43.   WEST SMALL                385.0000        35.0000         7.4565        55.6000    (   11)

MOVES                        2.                             2439.0000        38.1094        13.2379       175.2418    (   64)
   AREA                      11.   NE LARGE                   90.0000        45.0000        21.2132       450.0000    (    2)
```

A-4-194 (cont.)

```
  VARIABLE             CODE   VALUE LABEL              SUM          MEAN        STD DEV      VARIANCE        N

 AREA                   12.  NE MEDIUM              25.0000      25.0000           0             0     (      1)
 AREA                   13.  NE SMALL              600.0000      35.2941       7.0955       50.3456     (     17)
 AREA                   22.  NCENT MEDIUM          152.0000      38.0000      11.1654      124.6667     (      4)
 AREA                   24.  NCENT RURAL           682.0000      56.8333      11.4323      130.6970     (     12)
 AREA                   31.  SOUTH LARGE           689.0000      29.9565       7.8941       62.3162     (     23)
 AREA                   33.  SOUTH SMALL           201.0000      40.2000      10.5214      110.7000     (      5)

MOVES                    3.                        373.0000      53.2857      14.8067      219.2381     (      7)
 AREA                   24.  NCENT RURAL           285.0000      57.0000      14.7817      218.5000     (      5)
 AREA                   33.  SOUTH SMALL            88.0000      44.0000      14.1421      200.0000     (      2)

 TOTAL CASES =   12996
MISSING CASES =    8805 OR  67.8 PCT.
```

A-4-195

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2HR      STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE            CODE     VALUE LABEL                   SUM          MEAN       STD DEV      VARIANCE         N

FOR ENTIRE POPULATION                                  145960,0000       48.7346       14.9501      223.5050   (  2995)

MOVES                   -99.                            62437,0000       47.0512       15.1411      229.2538   (  1327)
   AREA                  11.   NE LARGE                 23326.0000       45.7373       14.1881      201.3021   (   510)
   AREA                  12.   NE MEDIUM                 4202.0000       48.8605       15.8909      252.5215   (    86)
   AREA                  13.   NE SMALL                  5043.0000       50.9394       15.9513      254.4453   (    99)
   AREA                  21.   NCENT LARGE               6228.0000       43.8592       15.6498      244.9162   (   142)
   AREA                  22.   NCENT MEDIUM              5539.0000       51.2870       14.9047      222.1505   (   108)
   AREA                  24.   NCENT RURAL               3447.0000       48.5493        9.9625       99.2511   (    71)
   AREA                  31.   SOUTH LARGE               3763.0000       37.6300       13.2386      175.2456   (   100)
   AREA                  33.   SOUTH SMALL               4426.0000       57.4805       14.7377      217.2003   (    77)
   AREA                  34.   SOUTH RURAL                297.0000       49.5000        8.3606       69.9000   (     6)
   AREA                  41.   WEST LARGE                 617.0000       51.4167       18.0980      327.5379   (    12)
   AREA                  42.   WEST MEDIUM               3266.0000       51.8413       16.5590      274.2002   (    63)
   AREA                  43.   WEST SMALL                2283.0000       43.0755       13.2038      174.3403   (    53)

MOVES                     0                             67091,0000       49.6970       14.4147      207.7843   (  1350)
   AREA                  11.   NE LARGE                 22994.0000       47.1189       14.7458      217.4396   (   488)
   AREA                  12.   NE MEDIUM                 5655.0000       51.4091       11.6283      135.2164   (   110)
   AREA                  13.   NE SMALL                  2960.0000       54.8148       14.8376      220.1537   (    54)
   AREA                  21.   NCENT LARGE               4879.0000       53.6154       14.5019      210.3060   (    91)
   AREA                  22.   NCENT MEDIUM              8972.0000       54.0482        9.9141       98.2886   (   166)
   AREA                  24.   NCENT RURAL               4792.0000       57.7349       10.7228      114.9777   (    83)
   AREA                  31.   SOUTH LARGE               2972.0000       38.1026       15.6898      246.1712   (    78)
   AREA                  33.   SOUTH SMALL               3304.0000       59.0000       13.0035      169.0909   (    56)
   AREA                  34.   SOUTH RURAL               1252.0000       43.1724       13.9542      194.7192   (    29)
   AREA                  41.   WEST LARGE                1237.0000       53.7826       11.4771      131.7273   (    23)
   AREA                  42.   WEST MEDIUM               4138.0000       49.2619       15.3655      236.0993   (    84)
   AREA                  43.   WEST SMALL                3936.0000       44.7273       12.3192      151.7638   (    88)

MOVES                    1.                             12770,0000       52.1224       15.3215      234.7472   (   245)
   AREA                  11.   NE LARGE                  601.0000       46.2308       15.6905      246.1923   (    13)
   AREA                  12.   NE MEDIUM                 1173.0000       53.3182       16.8138      282.7035   (    22)
   AREA                  13.   NE SMALL                  2649.0000       55.1875       11.6266      135.1769   (    48)
   AREA                  21.   NCENT LARGE                709.0000       54.5385       12.5208      156.7692   (    13)
   AREA                  22.   NCENT MEDIUM               457.0000       45.7000       17.8826      319.7889   (    10)
   AREA                  24.   NCENT RURAL               3673.0000       57.3906       11.4054      130.0831   (    64)
   AREA                  31.   SOUTH LARGE                759.0000       36.1429       20.9363      438.3286   (    21)
   AREA                  33.   SOUTH SMALL               1918.0000       54.8000       14.3236      205.1667   (    35)
   AREA                  34.   SOUTH RURAL                120.0000       40.0000        8.5440       73.0000   (     3)
   AREA                  42.   WEST MEDIUM                340.0000       48.5714       10.6122      112.6190   (     7)
   AREA                  43.   WEST SMALL                 371.0000       41.2222       16.2233      263.1944   (     9)

MOVES                    2.                              3261.0000       49.4091       16.8869      285.1685   (    66)
   AREA                  12.   NE MEDIUM                   59.0000       59.0000             0             0   (     1)
```

535

875

876

A-4-195 (cont.)

```
VARIABLE              CODE   VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE          N

  AREA                 13.   NE SMALL             1406.0000      50.2143      10.3185      106.4709    (    28)
  AREA                 21.   NCENT LARGE            32.0000      32.0000            0             0    (     1)
  AREA                 22.   NCENT MEDIUM          178.0000      59.3333      19.0875      364.3333    (     3)
  AREA                 24.   NCENT RURAL           654.0000      59.4545      10.4629      109.4727    (    11)
  AREA                 31.   SOUTH LARGE           284.0000      31.5556      17.5578      308.2778    (     9)
  AREA                 33.   SOUTH SMALL           648.0000      49.8462      23.5968      556.8077    (    13)

MOVES                   3.                         401.0000      57.2857      10.8277      117.2381    (     7)
  AREA                 13.   NE SMALL               75.0000      75.0000            0             0    (     1)
  AREA                 22.   NCENT MEDIUM           45.0000      45.0000            0             0    (     1)
  AREA                 24.   NCENT RURAL           225.0000      56.2500       8.8081       77.5833    (     4)
  AREA                 33.   SOUTH SMALL            56.0000      56.0000            0             0    (     1)

 TOTAL CASES =    12996
MISSING CASES =   10007 OR   77.0 PCT.
```

A-4-196

```
- - - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MNA     STAND SC MAT TOTAL MATH
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL              SUM           MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                               153133.0000        51.1295      11.2374      126.2791   (  2995)

MOVES                     -99.                       66011.0000        49.7445      11.0238      121.5252   (  1327)
   AREA                    11.   NE LARGE            24602.0000        48.2392      10.6539      113.5065   (   510)
   AREA                    12.   NE MEDIUM            4113.0000        47.8256      11.0987      123.1810   (    86)
   AREA                    13.   NE SMALL             5316.0000        53.6970      12.5937      158.6011   (    99)
   AREA                    21.   NCENT LARGE          6974.0000        49.1127      11.1451      124.2142   (   142)
   AREA                    22.   NCENT MEDIUM         5735.0000        53.1019      10.1179      102.3727   (   108)
   AREA                    24.   NCENT RURAL          3710.0000        52.2535      10.4276      108.7348   (    71)
   AREA                    31.   SOUTH LARGE          4253.0000        42.5300       8.0119       64.1910   (   100)
   AREA                    33.   SOUTH SMALL          4457.0000        57.8831      10.4554      109.3151   (    77)
   AREA                    34.   SOUTH RURAL           285.0000        47.5000       8.5965       73.9900   (     6)
   AREA                    41.   WEST LARGE            603.0000        50.2500       9.3335       87.1136   (    12)
   AREA                    42.   WEST MEDIUM          3406.0000        54.0635       9.6601       93.3185   (    63)
   AREA                    43.   WEST SMALL           2557.0000        48.2453       7.7532       60.1118   (    53)

MOVES                       0                        70215.0000        52.0111      11.1294      123.8642   (  1350)
   AREA                    11.   NE LARGE            24245.0000        49.6824      10.3358      106.8291   (   488)
   AREA                    12.   NE MEDIUM            5788.0000        52.6182      11.5393      133.1556   (   110)
   AREA                    13.   NE SMALL             3124.0000        57.8519      11.3925      129.7890   (    54)
   AREA                    21.   NCENT LARGE          4821.0000        52.9780      11.9247      142.1995   (    91)
   AREA                    22.   NCENT MEDIUM         9084.0000        54.7229       9.9548       99.0985   (   166)
   AREA                    24.   NCENT RURAL          5023.0000        60.5181       9.6996       94.0820   (    83)
   AREA                    31.   SOUTH LARGE          3379.0000        43.3205       8.9841       80.7141   (    78)
   AREA                    33.   SOUTH SMALL          3323.0000        59.3393      10.3980      108.1192   (    56)
   AREA                    34.   SOUTH RURAL          1308.0000        45.1034       9.8320       96.6675   (    29)
   AREA                    41.   WEST LARGE           1173.0000        51.0000      12.5843      158.3636   (    23)
   AREA                    42.   WEST MEDIUM          4552.0000        54.1905      10.6990      114.4693   (    84)
   AREA                    43.   WEST SMALL           4395.0000        49.9432       8.3285       69.3646   (    88)

MOVES                      1.                        13119.0000        53.5469      11.9000      141.6095   (   245)
   AREA                    11.   NE LARGE              593.0000        45.6154       9.7172       94.4231   (    13)
   AREA                    12.   NE MEDIUM            1202.0000        54.6364      13.4891      181.9567   (    22)
   AREA                    13.   NE SMALL             2628.0000        54.7500      11.0540      122.1915   (    48)
   AREA                    21.   NCENT LARGE           670.0000        51.5385      12.0597      145.4359   (    13)
   AREA                    22.   NCENT MEDIUM          513.0000        51.3000      13.5978      184.9000   (    10)
   AREA                    24.   NCENT RURAL          3681.0000        57.5156      11.9987      143.9680   (    64)
   AREA                    31.   SOUTH LARGE           920.0000        43.8095       8.1032       65.6619   (    21)
   AREA                    33.   SOUTH SMALL          1973.0000        56.3714      10.9788      120.5345   (    35)
   AREA                    34.   SOUTH RURAL           132.0000        44.0000       7.2111       52.0000   (     3)
   AREA                    42.   WEST MEDIUM           364.0000        52.0000       4.0415       16.3333   (     7)
   AREA                    43.   WEST SMALL            443.0000        49.2222      11.2336      126.1944   (     9)

MOVES                      2.                         3343.0000        50.6515      11.3021      127.7382   (    66)
   AREA                    12.   NE MEDIUM              54.0000        54.0000            0             0   (     1)
```

A-4-196 (cont.)

```
  VARIABLE               CODE    VALUE LABEL                 SUM          MEAN         STD DEV      VARIANCE         N

   AREA                    13.   NE SMALL               1339.0000       47.8214       10.1801      103.6336   (     28)
   AREA                    21.   NCENT LARGE              43.0000       43.0000             0             0   (      1)
   AREA                    22.   NCENT MEDIUM            166.0000       55.3333       23.0290      530.3333   (      3)
   AREA                    24.   NCENT RURAL             644.0000       58.5455        7.4748       55.8727   (     11)
   AREA                    31.   SOUTH LARGE             346.0000       38.4444        5.8119       33.7778   (      9)
   AREA                    33.   SOUTH SMALL             751.0000       57.7692        6.8939       47.5256   (     13)

MOVES                       3.                           445.0000       63.5714       11.9980      143.9524   (      7)
   AREA                    13.   NE SMALL                 66.0000       66.0000             0             0   (      1)
   AREA                    22.   NCENT MEDIUM             51.0000       51.0000             0             0   (      1)
   AREA                    24.   NCENT RURAL             273.0000       68.2500       13.4009      179.5833   (      4)
   AREA                    33.   SOUTH SMALL              55.0000       55.0000             0             0   (      1)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

A-4-197

881

385

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ---------------

CRITERION VARIABLE   S53MR
    BROKEN DOWN BY   MOVES      NO. OF SCHOOL TRANSFERS
                BY   AREA       REGION AND CITYSIZE INDICATOR
-------------------------------------------------------------------------------------------

    VARIABLE            CODE     VALUE LABEL                SUM          MEAN      STD DEV     VARIANCE         N

FOR ENTIRE POPULATION                                 226369.0000      57.4395     13.2861     174.5195    (  3941)

MOVES                   -99.                           40047.0000      58.3776     13.6876     187.3507    (   686)
   AREA                  11.   NE LARGE                 6323.0000      59.0935     12.7498     162.5572    (   107)
   AREA                  12.   NE MEDIUM                5752.0000      56.9505     10.3898     107.9475    (   101)
   AREA                  22.   NCENT MEDIUM             2756.0000      64.0930     14.4136     207.7530    (    43)
   AREA                  24.   NCENT RURAL              4603.0000      59.0128     13.8924     192.9998    (    78)
   AREA                  31.   SOUTH LARGE              2888.0000      44.4308     10.2026     104.0928    (    65)
   AREA                  33.   SOUTH SMALL              4881.0000      65.9595     13.1508     172.9435    (    74)
   AREA                  34.   SOUTH RURAL               190.0000      63.3333      1.5275       2.3333    (     3)
   AREA                  41.   WEST LARGE                663.0000      60.2727      7.9384      63.0182    (    11)
   AREA                  42.   WEST MEDIUM              3962.0000      59.1343     13.1321     172.4514    (    67)
   AREA                  43.   WEST SMALL               2698.0000      50.9057     12.5280     156.9717    (    53)
   AREA                  44.   WEST RURAL               5331.0000      63.4643     12.6961     161.1915    (    84)

MOVES                     0                           145359.0000      56.9589     12.8036     163.9321    (  2552)
   AREA                  11.   NE LARGE                37466.0000      53.8305     11.1628     124.6072    (   696)
   AREA                  12.   NE MEDIUM               11056.0000      59.1230     11.9924     143.8181    (   187)
   AREA                  13.   NE SMALL                 4190.0000      63.4848     13.4887     181.9459    (    66)
   AREA                  21.   NCENT LARGE             14172.0000      55.7953     13.5672     184.0686    (   254)
   AREA                  22.   NCENT MEDIUM            16789.0000      61.0509     11.6774     136.3624    (   275)
   AREA                  24.   NCENT RURAL              9633.0000      66.8958     10.6092     112.5555    (   144)
   AREA                  31.   SOUTH LARGE             12856.0000      47.9701     11.3183     128.1040    (   268)
   AREA                  33.   SOUTH SMALL              4810.0000      66.8056     11.1906     125.2293    (    72)
   AREA                  34.   SOUTH RURAL              6420.0000      53.5000      8.8013      77.4622    (   120)
   AREA                  41.   WEST LARGE               7649.0000      58.3893     11.3765     129.4242    (   131)
   AREA                  42.   WEST MEDIUM             11287.0000      61.3424     13.1173     172.0625    (   184)
   AREA                  43.   WEST SMALL               6334.0000      53.2269      9.8664      97.3464    (   119)
   AREA                  44.   WEST RURAL               2697.0000      74.9167     10.7766     116.1357    (    36)

MOVES                     1.                           32054.0000      59.3593     14.2812     203.9523    (   540)
   AREA                  11.   NE LARGE                 1508.0000      52.0000     10.0995     102.0000    (    29)
   AREA                  12.   NE MEDIUM                3014.0000      60.2800     15.5761     242.6139    (    50)
   AREA                  13.   NE SMALL                 3957.0000      62.8095     13.2432     175.3825    (    63)
   AREA                  21.   NCENT LARGE              2651.0000      54.1020     12.8213     164.3852    (    49)
   AREA                  22.   NCENT MEDIUM             2763.0000      61.4000     18.6296     347.0636    (    45)
   AREA                  24.   N[illegible]NT RURAL              6316.0000      67.1915     13.4470     180.8[illegible]    (    94)
   AREA                  31.   SOUTH LARGE              2249.0000      51.1136     10.0793     101.5914    (    44)
   AREA                  33.   SOUTH SMALL              2498.0000      62.4500     10.7033     114.5415    (    40)
   AREA                  34.   SOUTH RURAL               545.0000      49.5455      9.2126      84.8727    (    11)
   AREA                  41.   WEST LARGE               1577.0000      46.3824     10.5945     112.2433    (    34)
   AREA                  42.   WEST MEDIUM              2507.0000      59.6905      9.9792      99.5848    (    42)
   AREA                  43.   WEST SMALL                868.0000      54.2500     12.6886     161.0000    (    16)
   AREA                  44.   WEST RURAL               1601.0000      69.6087      8.9936      80.8854    (    23)
```

883

539

884

```
  VARIABLE              CODE   VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE          N

OVES                      2.                           8215.0000       53.6928      14.2553      203.2142    (    153)
   AREA                  11.   NE LARGE                  96.0000       48.0000            0             0    (      2)
   AREA                  12.   NE MEDIUM                289.0000       57.8000      15.8808      252.2000    (      5)
   AREA                  13.   NE SMALL                1576.0000       54.3448      14.0669      197.8768    (     29)
   AREA                  21.   NCENT LARGE              242.0000       48.4000       9.8387       96.8000    (      5)
   AREA                  22.   NCENT MEDIUM             677.0000       52.0769      12.0655      145.5769    (     13)
   AREA                  24.   NCENT RURAL             1481.0000       70.5238      10.3229      106.5619    (     21)
   AREA                  31.   SOUTH LARGE             2713.0000       45.9831      11.1347      123.9825    (     59)
   AREA                  33.   SOUTH SMALL              799.0000       61.4615      12.8492      165.1026    (     13)
   AREA                  41.   WEST LARGE               211.0000       52.7500       3.7749       14.2500    (      4)
   AREA                  42.   WEST MEDIUM               65.0000       65.0000            0             0    (      1)
   AREA                  43.   WEST SMALL                66.0000       66.0000            0             0    (      1)

OVES                      3.                            694.0000       69.4000      12.3846      153.3778    (     10)
   AREA                  13.   NE SMALL                  90.0000       90.0000            0             0    (      1)
   AREA                  22.   NCENT MEDIUM              52.0000       52.0000            0             0    (      1)
   AREA                  24.   NCENT RURAL              423.0000       70.5000      10.8213      117.1000    (      6)
   AREA                  33.   SOUTH SMALL              129.0000       64.5000       3.5355       12.5000    (      2)

 TOTAL CASES =    12996
ISSING CASES =     9055 OR  69.7 PCT.
```

A-4-198

889

890

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
   BROKEN DOWN BY    MOVES      NO. OF SCHOOL TRANSFERS
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                    249263.0000        63.2487        12.9306       167.2006    (  3941)

MOVES                     -99.                            44534.0000        64.9184        12.6646       160.3933    (   686)
   AREA                    11.   NE LARGE                  7000.0000        65.4206        11.3112       127.9441    (   107)
   AREA                    12.   NE MEDIUM                 6447.0000        63.8317        11.9449       142.6814    (   101)
   AREA                    22.   NCENT MEDIUM              3111.0000        72.3488        11.0688       122.5183    (    43)
   AREA                    24.   NCENT RURAL               5178.0000        66.3846         9.3381        87.2000    (    78)
   AREA                    31.   SOUTH LARGE               3371.0000        51.8615         9.6903        93.9024    (    65)
   AREA                    33.   SOUTH SMALL               5369.0000        72.5541        11.3803       129.5107    (    74)
   AREA                    34.   SOUTH RURAL                206.0000        68.6667         8.3267        69.3333    (     3)
   AREA                    41.   WEST LARGE                 693.0000        63.0000        12.4660       155.4000    (    11)
   AREA                    42.   WEST MEDIUM               4244.0000        63.3433        12.4140       154.1076    (    67)
   AREA                    43.   WEST SMALL                3091.0000        58.3208        11.3507       128.8374    (    53)
   AREA                    44.   WEST RURAL                5824.0000        69.3333        12.9292       167.1647    (    84)

MOVES                      0                             159761.0000        62.6023        12.7697       163.0660    (  2552)
   AREA                    11.   NE LARGE                 41554.0000        59.7040        11.7997       139.2331    (   696)
   AREA                    12.   NE MEDIUM                12211.0000        65.2995        13.4635       181.2647    (   187)
   AREA                    13.   NE SMALL                  4361.0000        66.0758        13.6374       185.9798    (    66)
   AREA                    21.   NCENT LARGE              15513.0000        61.0748        12.3879       153.4608    (   254)
   AREA                    22.   NCENT MEDIUM             18499.0000        67.2691        10.9851       120.6719    (   275)
   AREA                    24.   NCENT RURAL              10434.0000        72.4583        10.6718       113.8964    (   144)
   AREA                    31.   SOUTH LARGE              14709.0000        54.8843         9.9141        98.2899    (   268)
   AREA                    33.   SOUTH SMALL               5351.0000        74.3194        11.5671       133.7979    (    72)
   AREA                    34.   SOUTH RURAL               7207.0000        60.0583        10.7432       115.4167    (   120)
   AREA                    41.   WEST LARGE                8324.0000        63.5420        11.9816       143.5570    (   131)
   AREA                    42.   WEST MEDIUM              11808.0000        64.1739        13.7639       189.4450    (   184)
   AREA                    43.   WEST SMALL                6946.0000        58.3697        10.4313       108.8113    (   119)
   AREA                    44.   WEST RURAL                2844.0000        79.0000         7.5706        57.3143    (    36)

MOVES                      1.                             35198.0000        65.1815        13.4537       181.0023    (   540)
   AREA                    11.   NE LARGE                  1621.0000        55.8966        11.0109       121.2389    (    29)
   AREA                    12.   NE MEDIUM                 3417.0000        68.3400        14.0982       198.7596    (    50)
   AREA                    13.   NE SMALL                  4242.0000        67.3333        12.7949       163.7097    (    63)
   AREA                    21.   NCENT LARGE               2905.0000        59.2857        10.8128       116.9167    (    49)
   AREA                    22.   NCENT MEDIUM              3001.0000        66.6889        14.7229       216.7646    (    45)
   AREA                    24.   NCENT RURAL               6907.0000        73.4787        10.7140       114.7899    (    94)
   AREA                    31.   SOUTH LARGE               2439.0000        55.4318        10.8443       117.5999    (    44)
   AREA                    33.   SOUTH SMALL               2757.0000        68.9250        10.9084       118.9942    (    40)
   AREA                    34.   SOUTH RURAL                632.0000        57.4545        11.3874       129.6727    (    11)
   AREA                    41.   WEST LARGE                1818.0000        53.4706         8.4180        70.8627    (    34)
   AREA                    42.   WEST MEDIUM               2755.0000        65.5952        12.3369       152.1980    (    42)
   AREA                    43.   WEST SMALL                 945.0000        59.0625        12.8554       165.2625    (    16)
   AREA                    44.   WEST RURAL                1759.0000        76.4783         7.4704        55.8063    (    23)
```

A-4-198 (cont.)

```
   VARIABLE                CODE    VALUE LABEL                    SUM          MEAN        STD DEV      VARIANCE        N


MOVES                        2.                               9067.0000      59.2614      13.2480      175.5161    (   153)
     AREA                   11.   NE LARGE                     116.0000      58.0000       5.6569       32.0000    (     2)
     AREA                   12.   NE MEDIUM                    311.0000      62.2000       7.4967       56.2000    (     5)
     AREA                   13.   NE SMALL                    1644.0000      56.6897      13.0195      169.5074    (    29)
     AREA                   21.   NCENT LARGE                  264.0000      52.8000       6.7602       45.7000    (     5)
     AREA                   22.   NCENT MEDIUM                 841.0000      64.6923      15.9342      253.8974    (    13)
     AREA                   24.   NCENT RURAL                 1556.0000      74.0952       7.6020       57.7905    (    21)
     AREA                   31.   SOUTH LARGE                 3081.0000      52.2203       9.3791       87.9679    (    59)
     AREA                   33.   SOUTH SMALL                  897.0000      69.0000      13.6382      186.0000    (    13)
     AREA                   41.   WEST LARGE                   233.0000      58.2500       7.4106       54.9167    (     4)
     AREA                   42.   WEST MEDIUM                   53.0000      53.0000            0             0    (     1)
     AREA                   43.   WEST SMALL                    71.0000      71.0000            0             0    (     1)

MOVES                        3.                                703.0000      70.3000       9.1658       84.0111    (    10)
     AREA                   13.   NE SMALL                      85.0000      85.0000            0             0    (     1)
     AREA                   22.   NCENT MEDIUM                  61.0000      61.0000            0             0    (     1)
     AREA                   24.   NCENT RURAL                  431.0000      71.8333       7.9352       62.9667    (     6)
     AREA                   33.   SOUTH SMALL                  126.0000      63.0000       4.2426       18.0000    (     2)

  TOTAL CASES =     12996
MISSING CASES =      9055 OR   69.7 PCT.
```

A-4-199

382

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   FKW       FALL KIND WRAT TOTAL
   BROKEN DOWN BY    SCHOOLS   NO. OF SCHOOLS ATTENDED
               BY    AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL             SUM           MEAN        STD DEV     VARIANCE       N

FOR ENTIRE POPULATION                              250957.0000     28.2577     13.0889     171.3195   (  8881)

SCHOOLS                -99.                        156388.0000     27.4558     13.1032     171.6946   (  5696)
   AREA                 11.    NE LARGE             46375.0000     27.6700     12.9571     167.8857   (  1676)
   AREA                 12.    NE MEDIUM            11728.0000     26.1786     11.9712     143.3103   (   448)
   AREA                 13.    NE SMALL              4857.0000     28.4035     15.0230     225.6892   (   171)
   AREA                 21.    NCENT LARGE          22903.0000     27.4946     12.9982     168.9522   (   833)
   AREA                 22.    NCENT MEDIUM         17023.0000     30.7830     13.8830     192.7391   (   553)
   AREA                 24.    NCENT RURAL           4380.0000     26.5455     14.3359     205.5177   (   165)
   AREA                 31.    SOUTH LARGE          11024.0000     21.2819     11.2400     126.3382   (   518)
   AREA                 33.    SOUTH SMALL           2498.0000     24.0192     12.5203     156.7569   (   104)
   AREA                 34.    SOUTH RURAL           1481.0000     22.7846     12.4743     155.6091   (    65)
   AREA                 41.    WEST LARGE           14689.0000     30.7301     12.4289     154.4784   (   478)
   AREA                 42.    WEST MEDIUM           9448.0000     28.6303     12.7973     163.7717   (   330)
   AREA                 43.    WEST SMALL            7648.0000     26.4637     12.7410     162.3329   (   289)
   AREA                 44.    WEST RURAL            2334.0000     35.3636     11.2011     125.4657   (    66)

SCHOOLS                  1.                         74082.0000     29.6972     12.8750     165.7649   (  2495)
   AREA                 11.    NE LARGE             19021.0000     28.0546     12.1393     147.3633   (   678)
   AREA                 12.    NE MEDIUM             5459.0000     30.1602     13.0056     169.1464   (   181)
   AREA                 13.    NE SMALL              2031.0000     30.7727     11.5955     134.4552   (    66)
   AREA                 21.    NCENT LARGE           7714.0000     31.1048     13.1800     173.7137   (   248)
   AREA                 22.    NCENT MEDIUM          8486.0000     31.0842     12.3296     151.7980   (   273)
   AREA                 24.    NCENT RURAL           5145.0000     36.2324     12.8624     165.4421   (   142)
   AREA                 31.    SOUTH LARGE           5681.0000     21.6008     10.6289     112.9736   (   263)
   AREA                 33.    SOUTH SMALL           2353.0000     33.1408     13.0343     169.8942   (    71)
   AREA                 34.    SOUTH RURAL           2707.0000     22.7479     10.0467     100.9359   (   119)
   AREA                 41.    WEST LARGE            4522.0000     36.7642     11.8488     140.3948   (   123)
   AREA                 42.    WEST MEDIUM           6092.0000     34.0335     13.0521     170.3584   (   179)
   AREA                 43.    WEST SMALL            3334.0000     28.4957     11.0404     121.8991   (   117)
   AREA                 44.    WEST RURAL            1537.0000     43.9143      8.3009      68.9042   (    35)

SCHOOLS                  2.                         18109.0000     29.5899     13.1785     173.6728   (   612)
   AREA                 11.    NE LARGE               753.0000     25.1000     10.1518     103.0586   (    30)
   AREA                 12.    NE MEDIUM             1709.0000     33.5098     15.1821     230.4949   (    51)
   AREA                 13.    NE SMALL              2049.0000     33.5902     12.6311     159.5459   (    61)
   AREA                 21.    NCENT LARGE           1408.0000     27.6078     11.0997     123.2031   (    51)
   AREA                 22.    NCENT MEDIUM          1727.0000     33.2115     14.1148     199.2289   (    52)
   AREA                 24.    NCENT RURAL           3466.0000     34.3168     13.3476     178.1586   (   101)
   AREA                 31.    SOUTH LARGE           1871.0000     20.1183     10.5715     111.7576   (    93)
   AREA                 33.    SOUTH SMALL           1383.0000     30.7333     12.3737     153.1091   (    45)
   AREA                 34.    SOUTH RURAL            234.0000     21.2727      6.5283      42.6182   (    11)
   AREA                 41.    WEST LARGE             966.0000     27.6000     10.0212     100.4235   (    35)
   AREA                 42.    WEST MEDIUM           1179.0000     28.0714     10.9887     120.7509   (    42)
```

A-4-199 (cont.)

```
 VARIABLE            CODE   VALUE LABEL               SUM          MEAN        STD DEV       VARIANCE        N

   AREA               43.   WEST SMALL             449.0000      26.4118      11.8325      140.0074    (    17)
   AREA               44.   WEST RURAL             915.0000      39.7826      10.3965      108.0970    (    23)

SCHOOLS                3.                         2176.0000      29.8082      12.9782      168.4349    (    73)
   AREA               12.   NE MEDIUM              106.0000      35.3333      10.6927      114.3333    (     3)
   AREA               13.   NE SMALL               819.0000      28.2414      10.2875      105.8325    (    29)
   AREA               21.   NCENT LARGE             66.0000      22.0000       8.6603       75.0000    (     3)
   AREA               22.   NCENT MEDIUM           214.0000      35.6667      13.5892      184.6667    (     6)
   AREA               24.   NCENT RURAL            547.0000      39.0714      13.1469      172.8407    (    14)
   AREA               31.   SOUTH LARGE            110.0000      18.3333      11.6398      135.4667    (     6)
   AREA               33.   SOUTH SMALL            220.0000      24.4444      13.0586      170.5278    (     9)
   AREA               41.   WEST LARGE              44.0000      22.0000      15.5563      242.0000    (     2)
   AREA               42.   WEST MEDIUM             50.0000      50.0000            0             0    (     1)

SCHOOLS                4.                          202.0000      40.4000      16.2880      265.3000    (     5)
   AREA               24.   NCENT RURAL            202.0000      40.4000      16.2880      265.3000    (     5)

  TOTAL CASES =    12996
MISSING CASES =     4115 OR  31.7 PCT.
```

A-4-200

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SKW       SPR KIND WRAT TOTAL SC
    BROKEN DOWN BY   SCHOOLS   NO. OF SCHOOLS ATTENDED
                BY   AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                  SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                      170730.0000       33.3327       12.8089       164.0674   ( 5122)

SCHOOLS                    -99.                            110355.0000       32.3337       12.7017       161.3338   ( 3413)
   AREA                     11.   NE LARGE                  22990.0000       31.0256       13.2161       174.6656   (  741)
   AREA                     12.   NE MEDIUM                 10384.0000       33.9346       13.0143       169.3728   (  306)
   AREA                     13.   NE SMALL                   5006.0000       32.0897       12.6350       159.6435   (  156)
   AREA                     21.   NCENT LARGE               17460.0000       32.7580       12.1236       146.9808   (  533)
   AREA                     22.   NCENT MEDIUM              17754.0000       38.4286       12.5690       157.9808   (  462)
   AREA                     24.   NCENT RURAL                3111.0000       33.8152       12.1682       148.0644   (   92)
   AREA                     31.   SOUTH LARGE                9861.0000       27.4680       10.2078       104.1994   (  359)
   AREA                     32.   SOUTH MEDIUM               4405.0000       28.9803        8.9305        79.7546   (  152)
   AREA                     33.   SOUTH SMALL                2697.0000       30.3034       12.2450       149.9410   (   89)
   AREA                     34.   SOUTH RURAL                 528.0000       22.0000       12.1441       147.4783   (   24)
   AREA                     41.   WEST LARGE                 2721.0000       34.0125       13.2326       175.1011   (   80)
   AREA                     42.   WEST MEDIUM                8439.0000       33.0941       12.9152       166.8021   (  255)
   AREA                     43.   WEST SMALL                 4999.0000       30.4817       12.2872       150.8524   (  164)

SCHOOLS                      1.                             47693.0000       35.3806       12.7533       162.6472   ( 1348)
   AREA                     11.   NE LARGE                  10056.0000       32.5437       11.7599       138.2944   (  309)
   AREA                     12.   NE MEDIUM                  4645.0000       39.7009       10.9507       119.9184   (  117)
   AREA                     13.   NE SMALL                   2255.0000       38.8793       12.8159       164.2483   (   58)
   AREA                     21.   NCENT LARGE                4868.0000       38.3307       12.4824       155.8104   (  127)
   AREA                     22.   NCENT MEDIUM               6485.0000       39.3030       13.1146       171.9930   (  165)
   AREA                     24.   NCENT RURAL                3881.0000       40.4271       11.6300       135.2578   (   96)
   AREA                     31.   SOUTH LARGE                4250.0000       28.9116        8.3674        70.0127   (  147)
   AREA                     33.   SOUTH SMALL                2057.0000       36.7321       16.1206       259.8724   (   56)
   AREA                     34.   SOUTH RURAL                1303.0000       24.5849       12.4057       153.9013   (   53)
   AREA                     41.   WEST LARGE                 1601.0000       38.1190       15.0563       226.6928   (   42)
   AREA                     42.   WEST MEDIUM                3803.0000       38.0300       13.5910       184.7143   (  100)
   AREA                     43.   WEST SMALL                 2489.0000       31.9103        9.2402        85.3815   (   78)

SCHOOLS                      2.                             11155.0000       35.0786       13.2733       176.1962   (  318)
   AREA                     11.   NE LARGE                    529.0000       40.6923       11.0784       122.7308   (   13)
   AREA                     12.   NE MEDIUM                  1502.0000       42.9143       14.0846       198.3748   (   35)
   AREA                     13.   NE SMALL                   1462.0000       37.4872       15.3552       235.7827   (   39)
   AREA                     21.   NCENT LARGE                1428.0000       32.4545        8.2925        68.7653   (   44)
   AREA                     22.   NCENT MEDIUM                596.0000       37.2500       18.2264       332.2000   (   16)
   AREA                     24.   NCENT RURAL                1820.0000       39.5652       12.5992       158.7401   (   46)
   AREA                     31.   SOUTH LARGE                1405.0000       28.1000       10.2205       104.4592   (   50)
   AREA                     33.   SOUTH SMALL                1326.0000       33.1500       14.2838       204.0282   (   40)
   AREA                     34.   SOUTH RURAL                 205.0000       29.2857        7.8042        60.9048   (    7)
   AREA                     41.   WEST LARGE                   16.0000       16.0000        0             0         (    1)
   AREA                     42.   WEST MEDIUM                 526.0000       32.8750       11.6326       135.3167   (   16)
   AREA                     43.   WEST SMALL                  340.0000       30.9091        7.6086        57.8909   (   11)
```

A-4-200 (cont.)

```
VARIABLE             CODE   VALUE LABEL                SUM          MEAN       STD DEV     VARIANCE       N

SCHOOLS                3.                           1467.0000     35.7805      9.6993      94.0756   (   41)
  AREA                12.   NE MEDIUM                 36.0000     36.0000           0            0   (    1)
  AREA                13.   NE SMALL                 638.0000     33.5789      9.3945      88.2573   (   19)
  AREA                21.   NCENT LARGE               25.0000     25.0000           0            0   (    1)
  AREA                22.   NCENT MEDIUM             158.0000     39.5000      7.0475      49.6667   (    4)
  AREA                24.   NCENT RURAL              332.0000     41.5000     13.1475     172.8571   (    8)
  AREA                31.   SOUTH LARGE               77.0000     38.5000      3.5355      12.5000   (    2)
  AREA                33.   SOUTH SMALL              201.0000     33.5000      6.8044      46.3000   (    6)

SCHOOLS                4.                             60.0000     30.0000     26.8701     722.0000   (    2)
  AREA                24.   NCENT RURAL               60.0000     30.0000     26.8701     722.0000   (    2)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

A-4-201

```
- - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS     STAND SC SPR KIND MAT LISTENING-SOUND
   BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE            CODE     VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                  123551.0000      26.5473       4.4723       20.0011    (  4654)

SCHOOLS                  -99.                           81048.0000      26.2631       4.4087       19.4367    (  3086)
   AREA                   11.   NE LARGE                15465.0000      25.9916       4.7879       22.9242    (   595)
   AREA                   12.   NE MEDIUM                7350.0000      26.2500       4.6205       21.3495    (   280)
   AREA                   13.   NE SMALL                 3944.0000      26.8299       4.5547       20.7449    (   147)
   AREA                   21.   NCENT LARGE             13311.0000      26.4107       4.2149       17.7654    (   504)
   AREA                   22.   NCENT MEDIUM            12302.0000      27.7072       4.5636       20.8264    (   444)
   AREA                   24.   NCENT RURAL              2310.0000      26.5517       4.2965       18.4599    (    87)
   AREA                   31.   SOUTH LARGE              7753.0000      24.2281       3.1624       10.0011    (   320)
   AREA                   32.   SOUTH MEDIUM             3828.0000      25.3510       3.3110       10.9626    (   151)
   AREA                   33.   SOUTH SMALL              2170.0000      25.8333       3.3215       11.0321    (    84)
   AREA                   34.   SOUTH RURAL               275.0000      25.0000       3.6606       13.4000    (    11)
   AREA                   41.   WEST LARGE               2064.0000      26.8052       5.0499       25.5010    (    77)
   AREA                   42.   WEST MEDIUM              6348.0000      26.8983       4.6748       21.8534    (   236)
   AREA                   43.   WEST SMALL               3928.0000      26.1867       3.6772       13.5220    (   150)

SCHOOLS                    1.                           33408.0000      27.0291       4.4751       20.0267    (  1236)
   AREA                   11.   NE LARGE                 6680.0000      26.1961       3.9256       15.4102    (   255)
   AREA                   12.   NE MEDIUM                3129.0000      27.6903       4.0710       16.5729    (   113)
   AREA                   13.   NE SMALL                 1621.0000      27.9483       3.9755       15.8043    (    58)
   AREA                   21.   NCENT LARGE              3409.0000      28.1736       4.9425       24.4290    (   121)
   AREA                   22.   NCENT MEDIUM             4369.0000      27.8280       5.2626       27.6946    (   157)
   AREA                   24.   NCENT RURAL              2620.0000      27.2917       3.9866       15.8930    (    96)
   AREA                   31.   SOUTH LARGE              3459.0000      24.5319       2.8848        8.3222    (   141)
   AREA                   33.   SOUTH SMALL              1480.0000      27.9245       4.6486       21.6096    (    53)
   AREA                   34.   SOUTH RURAL               733.0000      26.1786       4.9818       24.8188    (    28)
   AREA                   41.   WEST LARGE               1163.0000      27.6905       5.0243       25.2433    (    42)
   AREA                   42.   WEST MEDIUM              2727.0000      28.4063       5.3046       28.1385    (    96)
   AREA                   43.   WEST SMALL               2018.0000      26.5526       3.5266       12.4372    (    76)

SCHOOLS                    2.                            8061.0000      27.3254       4.9668       24.6692    (   295)
   AREA                   11.   NE LARGE                  347.0000      28.9167       4.2095       17.7197    (    12)
   AREA                   12.   NE MEDIUM                1016.0000      29.8824       5.9735       35.6827    (    34)
   AREA                   13.   NE SMALL                 1009.0000      28.0278       4.7418       22.4849    (    36)
   AREA                   21.   NCENT LARGE              1118.0000      26.0000       3.0316        9.1905    (    43)
   AREA                   22.   NCENT MEDIUM              416.0000      27.7333       7.1261       50.7810    (    15)
   AREA                   24.   NCENT RURAL              1326.0000      28.8261       5.5758       31.0882    (    46)
   AREA                   31.   SOUTH LARGE              1096.0000      24.9091       3.7093       13.7590    (    44)
   AREA                   33.   SOUTH SMALL               977.0000      27.1389       4.9405       24.4087    (    36)
   AREA                   34.   SOUTH RURAL               105.0000      26.2500       4.0311       16.2500    (     4)
   AREA                   41.   WEST LARGE                 22.0000      22.0000            0             0    (     1)
   AREA                   42.   WEST MEDIUM               372.0000      26.5714       4.6528       21.6484    (    14)
   AREA                   43.   WEST SMALL                257.0000      25.7000       2.2136        4.9000    (    10)
```

A-4-201 (cont.)

```
VARIABLE              CODE    VALUE LABEL              SUM          MEAN       STD DEV      VARIANCE        N


SCHOOLS                  3.                      1003.0000       27.8611        3.0252        9.1516    (    36)
   AREA                 12.   NE MEDIUM            28.0000       28.0000             0             0    (     1)
   AREA                 13.   NE SMALL            400.0000       28.5714        3.1308        9.8022    (    14)
   AREA                 21.   NCENT LARGE          26.0000       26.0000             0             0    (     1)
   AREA                 22.   NCENT MEDIUM        106.0000       26.5000        1.7321        3.0000    (     4)
   AREA                 24.   NCENT RURAL         229.0000       28.6250        3.6621       13.4107    (     8)
   AREA                 31.   SOUTH LARGE          56.0000       28.0000        4.2426       18.0000    (     2)
   AREA                 33.   SOUTH SMALL         158.0000       26.3333        2.6583        7.0667    (     6)

SCHOOLS                  4.                        31.0000       31.0000             0             0    (     1)
   AREA                 24.   NCENT RURAL          31.0000       31.0000             0             0    (     1)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR   64.2 PCT.
```

?

```
                                          A-4-202

- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                  SUM             MEAN         STD DEV        VARIANCE        N

FOR ENTIRE POPULATION                                    119208.0000        25.6141          4.5696         20.8813   (  4654)

SCHOOLS                   -99.                            77947.0000        25.2583          4.6206         21.3501   (  3086)
   AREA                    11.   NE LARGE                 15320.0000        25.7479          4.5764         20.9431   (   595)
   AREA                    12.   NE MEDIUM                 7229.0000        25.8179          4.3944         19.3108   (   280)
   AREA                    13.   NE SMALL                  3643.0000        24.7823          4.9248         24.2537   (   147)
   AREA                    21.   NCENT LARGE              12744.0000        25.2857          4.4101         19.4490   (   504)
   AREA                    22.   NCENT MEDIUM             11775.0000        26.5203          4.6315         21.4511   (   444)
   AREA                    24.   NCENT RURAL               2147.0000        24.6782          4.7090         22.1743   (    87)
   AREA                    31.   SOUTH LARGE               7558.0000        23.6187          4.3063         18.5438   (   320)
   AREA                    32.   SOUTH MEDIUM              3587.0000        23.7550          4.2442         18.0129   (   151)
   AREA                    33.   SOUTH SMALL               2005.0000        23.8690          4.5331         20.5489   (    84)
   AREA                    34.   SOUTH RURAL                266.0000        24.1818          5.0163         25.1636   (    11)
   AREA                    41.   WEST LARGE                1989.0000        25.8312          4.8106         23.1422   (    77)
   AREA                    42.   WEST MEDIUM               6027.0000        25.5381          4.5056         20.3007   (   236)
   AREA                    43.   WEST SMALL                3657.0000        24.3800          4.9584         24.5862   (   150)

SCHOOLS                     1.                            32504.0000        26.2977          4.3574         18.9866   (  1236)
   AREA                    11.   NE LARGE                  6741.0000        26.4353          4.0131         16.1050   (   255)
   AREA                    12.   NE MEDIUM                 3134.0000        27.7345          3.7105         13.7682   (   113)
   AREA                    13.   NE SMALL                  1561.0000        26.9138          4.5278         20.5012   (    58)
   AREA                    21.   NCENT LARGE               3264.0000        26.9752          4.3445         18.8744   (   121)
   AREA                    22.   NCENT MEDIUM              4229.0000        26.9363          4.3081         18.5600   (   157)
   AREA                    24.   NCENT RURAL               2594.0000        27.0208          4.0418         16.3364   (    96)
   AREA                    31.   SOUTH LARGE               3400.0000        24.1135          3.7721         14.2299   (   141)
   AREA                    33.   SOUTH SMALL               1371.0000        25.8679          5.0651         25.6553   (    53)
   AREA                    34.   SOUTH RURAL                680.0000        24.2857          4.7598         22.6561   (    28)
   AREA                    41.   WEST LARGE                1137.0000        27.0714          4.7493         22.5557   (    42)
   AREA                    42.   WEST MEDIUM               2539.0000        26.4479          5.0071         25.0709   (    96)
   AREA                    43.   WEST SMALL                1854.0000        24.3947          3.9364         15.4954   (    76)

SCHOOLS                     2.                             7748.0000        26.2644          4.6604         21.7190   (   295)
   AREA                    11.   NE LARGE                   312.0000        26.0000          5.5922         31.2727   (    12)
   AREA                    12.   NE MEDIUM                  981.0000        28.8529          4.6524         21.6444   (    34)
   AREA                    13.   NE SMALL                   965.0000        26.8056          5.2959         28.0468   (    36)
   AREA                    21.   NCENT LARGE               1110.0000        25.8140          2.8474          8.1074   (    43)
   AREA                    22.   NCENT MEDIUM               424.0000        28.2667          5.9217         35.0667   (    15)
   AREA                    24.   NCENT RURAL               1232.0000        26.7826          4.7977         23.0184   (    46)
   AREA                    31.   SOUTH LARGE               1061.0000        24.1136          3.9604         15.6845   (    44)
   AREA                    33.   SOUTH SMALL                936.0000        26.0000          4.8048         23.0857   (    36)
   AREA                    34.   SOUTH RURAL                100.0000        25.0000          2.3094          5.3333   (     4)
   AREA                    41.   WEST LARGE                  18.0000        18.0000          0               0        (     1)
   AREA                    42.   WEST MEDIUM                359.0000        25.6429          3.5865         12.8626   (    14)
   AREA                    43.   WEST SMALL                 250.0000        25.0000          4.5947         21.1111   (    10)
```

549

903

904

A-4-202 (cont.)

```
  VARIABLE               CODE    VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

SCHOOLS                    3.                            982.0000       27.2778       2.7631        7.6349    (   36)
   AREA                   12.    NE MEDIUM                27.0000       27.0000            0             0    (    1)
   AREA                   13.    NE SMALL                390.0000       27.8571       2.4450        5.9780    (   14)
   AREA                   21.    NCENT LARGE              19.0000       19.0000            0             0    (    1)
   AREA                   22.    NCENT MEDIUM            111.0000       27.7500        .5000         .2500    (    4)
   AREA                   24.    NCENT RURAL             221.0000       27.6250       2.6152        6.8393    (    8)
   AREA                   31.    SOUTH LARGE              58.0000       29.0000            0             0    (    2)
   AREA                   33.    SOUTH SMALL             156.0000       26.0000       3.1623       10.0000    (    6)

SCHOOLS                    4.                             27.0000       27.0000            0             0    (    1)
   AREA                   24.    NCENT RURAL              27.0000       27.0000            0             0    (    1)

  TOTAL CASES =   12996
MISSING CASES =    8342 OR  64.2 PCT.
```

A-4-203

```
- - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMNA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE             CODE   VALUE LABEL                SUM          MEAN      STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                 105590.0000     22.6880     6.5407      42.7884   (  4654)

SCHOOLS                 -99.                           68617.0000     22.2349     6.5101      42.3814   (  3086)
    AREA                 11.   NE LARGE                13109.0000     22.0319     7.1686      51.3912   (   595)
    AREA                 12.   NE MEDIUM                6238.0000     22.2786     6.3664      40.5314   (   280)
    AREA                 13.   NE SMALL                 3198.0000     21.7551     6.2248      38.7478   (   147)
    AREA                 21.   NCENT LARGE             11184.0000     22.1905     5.9293      35.1565   (   504)
    AREA                 22.   NCENT MEDIUM            11134.0000     25.0766     6.5247      42.5720   (   444)
    AREA                 24.   NCENT RURAL              2110.0000     24.2529     5.5368      30.6562   (    87)
    AREA                 31.   SOUTH LARGE              6163.0000     19.2594     5.4097      29.2648   (   320)
    AREA                 32.   SOUTH MEDIUM             3026.0000     20.0397     4.6374      21.5051   (   151)
    AREA                 33.   SOUTH SMALL              1789.0000     21.2976     6.5359      42.7176   (    84)
    AREA                 34.   SOUTH RURAL               248.0000     22.5455     4.0832      16.6727   (    11)
    AREA                 41.   WEST LARGE               1684.0000     21.8701     6.4916      42.1408   (    77)
    AREA                 42.   WEST MEDIUM              5416.0000     22.9492     7.5460      56.9421   (   236)
    AREA                 43.   WEST SMALL               3318.0000     22.1200     4.8118      23.1533   (   150)

SCHOOLS                   1.                           29289.0000     23.6966     6.5138      42.4301   (  1236)
    AREA                 11.   NE LARGE                 5715.0000     22.4118     4.9493      24.4951   (   255)
    AREA                 12.   NE MEDIUM                2714.0000     24.0177     6.4724      41.8925   (   113)
    AREA                 13.   NE SMALL                 1430.0000     24.6552     6.8353      46.7211   (    58)
    AREA                 21.   NCENT LARGE              2946.0000     24.3471     6.3649      40.5118   (   121)
    AREA                 22.   NCENT MEDIUM             4089.0000     26.0446     7.2751      52.9275   (   157)
    AREA                 24.   NCENT RURAL              2669.0000     27.8021     5.5641      30.9615   (    96)
    AREA                 31.   SOUTH LARGE              2720.0000     19.2908     5.4923      30.1648   (   141)
    AREA                 33.   SOUTH SMALL              1282.0000     24.1887     7.2458      52.5022   (    53)
    AREA                 34.   SOUTH RURAL               600.0000     21.4286     5.2099      27.1429   (    28)
    AREA                 41.   WEST LARGE                998.0000     23.7619     7.8330      61.3566   (    42)
    AREA                 42.   WEST MEDIUM              2424.0000     25.2500     6.8794      47.3263   (    96)
    AREA                 43.   WEST SMALL               1702.0000     22.3947     4.8856      23.8688   (    76)

SCHOOLS                   2.                            6829.0000     23.1492     6.6740      44.5423   (   295)
    AREA                 11.   NE LARGE                  356.0000     29.6667     7.0496      49.6970   (    12)
    AREA                 12.   NE MEDIUM                 863.0000     25.3824     8.3121      69.0918   (    34)
    AREA                 13.   NE SMALL                  874.0000     24.2778     6.6745      44.5492   (    36)
    AREA                 21.   NCENT LARGE               893.0000     20.7674     5.0277      25.2780   (    43)
    AREA                 22.   NCENT MEDIUM              371.0000     24.7333    10.8593     117.9238   (    15)
    AREA                 24.   NCENT RURAL              1161.0000     25.2391     4.9539      24.5415   (    46)
    AREA                 31.   SOUTH LARGE               860.0000     19.5455     5.7565      33.1374   (    44)
    AREA                 33.   SOUTH SMALL               789.0000     21.9167     5.5259      30.5357   (    36)
    AREA                 34.   SOUTH RURAL                91.0000     22.7500     1.8930       3.5833   (     4)
    AREA                 41.   WEST LARGE                 12.0000     12.0000          0            0   (     1)
    AREA                 42.   WEST MEDIUM               330.0000     23.5714     5.0796      25.8022   (    14)
    AREA                 43.   WEST SMALL                229.0000     22.9000     3.1780      10.1000   (    10)
```

A-4-203 (cont.)

```
   VARIABLE              CODE   VALUE LABEL                SUM            MEAN        STD DEV       VARIANCE         N


SCHOOLS                     3.                          826.0000        22.9444        4.8341        23.3683   (     36)
   AREA                    12.  NE MEDIUM                22.0000        22.0000             0              0   (      1)
   AREA                    13.  NE SMALL                303.0000        21.6429        1.9057         3.6319   (     14)
   AREA                    21.  NCENT LARGE              24.0000        24.0000             0              0   (      1)
   AREA                    22.  NCENT MEDIUM            106.0000        26.5000        4.6547        21.6667   (      4)
   AREA                    24.  NCENT RURAL             208.0000        26.0000        7.2111        52.0000   (      8)
   AREA                    31.  SOUTH LARGE              34.0000        17.0000        7.0711        50.0000   (      2)
   AREA                    33.  SOUTH SMALL             129.0000        21.5000        3.3912        11.5000   (      6)

SCHOOLS                     4.                           29.0000        29.0000             0              0   (      1)
   AREA                    24.  NCENT RURAL              29.0000        29.0000             0              0   (      1)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR   64.2 PCT.
```

A-4-204

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE      VALUE LABEL                 SUM            MEAN        STD DEV       VARIANCE         N

FOR ENTIRE POPULATION                                       155837.0000        37.1037       10.4335       108.8588    (  4191)

SCHOOLS                    -99.                             104493.0000        36.0196       10.2444       104.9475    (  2901)
   AREA                     11.    NE LARGE                  42203.0000        35.2573        9.9974        99.9488    (  1197)
   AREA                     12.    NE MEDIUM                  7487.0000        36.1691        8.8018        77.4713    (   207)
   AREA                     13.    NE SMALL                   3121.0000        37.6024       10.9499       119.9010    (    83)
   AREA                     21.    NCENT LARGE                7491.0000        37.0842       10.9475       119.8486    (   202)
   AREA                     22.    NCENT MEDIUM              10798.0000        40.5940       11.1913       125.2459    (   266)
   AREA                     24.    NCENT RURAL                3500.0000        38.0435       10.3158       106.4157    (    92)
   AREA                     31.    SOUTH LARGE                4740.0000        30.1911        6.9302        48.0274    (   157)
   AREA                     33.    SOUTH SMALL                4580.0000        44.4660       12.2465       149.9768    (   103)
   AREA                     34.    SOUTH RURAL                2202.0000        35.5161        8.8220        77.8276    (    62)
   AREA                     41.    WEST LARGE                10869.0000        35.0613        9.3660        87.7212    (   310)
   AREA                     42.    WEST MEDIUM                2847.0000        36.5000       10.1030       102.0714    (    78)
   AREA                     43.    WEST SMALL                 4655.0000        32.3264        7.2458        52.5011    (   144)

SCHOOLS                      1.                              40287.0000        39.6916       10.2969       106.0261    (  1015)
   AREA                     11.    NE LARGE                  11207.0000        37.8615        9.9799        99.5977    (   296)
   AREA                     12.    NE MEDIUM                  3791.0000        39.9053       10.0637       101.2782    (    95)
   AREA                     13.    NE SMALL                   1322.0000        40.0606        8.5730        73.4962    (    33)
   AREA                     21.    NCENT LARGE                2948.0000        42.1143       11.2270       126.0447    (    70)
   AREA                     22.    NCENT MEDIUM               5748.0000        43.5455        9.7694        95.4407    (   132)
   AREA                     24.    NCENT RURAL                3582.0000        47.7600        8.2197        67.5632    (    75)
   AREA                     31.    SOUTH LARGE                1762.0000        32.0364        7.5938        57.6653    (    55)
   AREA                     33.    SOUTH SMALL                1188.0000        45.6923       12.4443       154.8615    (    26)
   AREA                     34.    SOUTH RURAL                1985.0000        36.0909        6.6144        43.7508    (    55)
   AREA                     41.    WEST LARGE                 2789.0000        40.4203        9.3893        88.1590    (    69)
   AREA                     42.    WEST MEDIUM                2107.0000        39.7547       10.7630       115.8425    (    53)
   AREA                     43.    WEST SMALL                 1858.0000        33.1786        7.5705        57.3130    (    56)

SCHOOLS                      2.                               9405.0000        39.6835       10.6392       113.1918    (   237)
   AREA                     11.    NE LARGE                    519.0000        37.0714        7.0870        50.2253    (    14)
   AREA                     12.    NE MEDIUM                   964.0000        40.1667       10.4826       109.8841    (    24)
   AREA                     13.    NE SMALL                   1466.0000        44.4242        7.2069        51.9394    (    33)
   AREA                     21.    NCENT LARGE                 304.0000        38.0000        7.8921        62.2857    (     8)
   AREA                     22.    NCENT MEDIUM                508.0000        36.2857        7.7303        59.7582    (    14)
   AREA                     24.    NCENT RURAL                2718.0000        47.6842       10.3340       106.7914    (    57)
   AREA                     31.    SOUTH LARGE                1065.0000        30.4286        6.7619        45.7227    (    35)
   AREA                     33.    SOUTH SMALL                 861.0000        41.0000        9.4499        89.3000    (    21)
   AREA                     34.    SOUTH RURAL                 255.0000        36.4286        6.3733        40.6190    (     7)
   AREA                     41.    WEST LARGE                  250.0000        27.7778        7.8705        61.9444    (     9)
   AREA                     42.    WEST MEDIUM                 148.0000        37.0000        9.3095        86.6667    (     4)
   AREA                     43.    WEST SMALL                  347.0000        31.5455        7.2161        52.0727    (    11)

SCHOOLS                      3.                               1451.0000        42.6765       10.7329       115.1952    (    34)
   AREA                     12.    NE MEDIUM                    28.0000        28.0000        0             0          (     1)
```

A-4-204 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE         N

     AREA                13.  NE SMALL               651.0000       38.2941       7.2177       52.0956     (   17)
     AREA                22.  NCENT MEDIUM            42.0000       42.0000            0             0     (    1)
     AREA                24.  NCENT RURAL            479.0000       53.2222       9.4178       88.6944     (    9)
     AREA                31.  SOUTH LARGE             59.0000       29.5000       4.9497       24.5000     (    2)
     AREA                33.  SOUTH SMALL            192.0000       48.0000       8.7560       76.6667     (    4)

  SCHOOLS                 4.                         201.0000       50.2500       8.9582       80.2500     (    4)
     AREA                24.  NCENT RURAL            201.0000       50.2500       8.9582       80.2500     (    4)

   TOTAL CASES =    12996
 MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - DESCRIPTION OF SUBPOPULATIONS - - - - - - - - - - - - - - - -
CRITERION VARIABLE  SS1MMA    STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY  SCHOOLS   NO. OF SCHOOLS ATTENDED
                BY  AREA      REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE    VALUE LABEL              SUM         MEAN      STD DEV     VARIANCE        N

FOR ENTIRE POPULATION                                153729.0000     36.6807    11.7979     139.1911    ( 4191)

SCHOOLS                  -99.                        103895.0000     35.8135    11.8248     139.8269    ( 2901)
   AREA                   11.   NE LARGE              44028.0000     36.7820    12.6548     160.1439    ( 1197)
   AREA                   12.   NE MEDIUM              7120.0000     34.3961    10.4972     110.1918    (  207)
   AREA                   13.   NE SMALL               3282.0000     39.5422    11.8479     140.3732    (   83)
   AREA                   21.   NCENT LARGE            6937.0000     34.3416    11.9554     142.9325    (  202)
   AREA                   22.   NCENT MEDIUM          10363.0000     38.9586    10.7575     115.7228    (  266)
   AREA                   24.   NCENT RURAL            3697.0000     40.1848    11.9154     141.9765    (   92)
   AREA                   31.   SOUTH LARGE            4359.0000     27.7643     9.1632      83.9633    (  157)
   AREA                   33.   SOUTH SMALL            4133.0000     40.1262    11.5025     132.3074    (  103)
   AREA                   34.   SOUTH RURAL            1953.0000     31.5000     9.7422      94.9098    (   62)
   AREA                   41.   WEST LARGE            10481.0000     33.8097     9.7996      96.0316    (  310)
   AREA                   42.   WEST MEDIUM            2879.0000     36.9103    12.0121     144.2905    (   78)
   AREA                   43.   WEST SMALL             4663.0000     32.3819     8.5599      73.2727    (  144)

SCHOOLS                    1.                         38994.0000     38.4177    11.1391     124.0798    ( 1015)
   AREA                   11.   NE LARGE              11357.0000     38.3682    11.4221     130.4639    (  296)
   AREA                   12.   NE MEDIUM              3545.0000     37.3158    11.4253     130.5375    (   95)
   AREA                   13.   NE SMALL               1305.0000     39.5455     7.9730      63.5682    (   33)
   AREA                   21.   NCENT LARGE            2772.0000     39.6000    13.7813     189.9246    (   70)
   AREA                   22.   NCENT MEDIUM           5401.0000     40.9167     8.5837      73.6800    (  132)
   AREA                   24.   NCENT RURAL            3582.0000     47.7600     9.2208      85.0227    (   75)
   AREA                   31.   SOUTH LARGE            1585.0000     28.8182     8.7010      75.7071    (   55)
   AREA                   33.   SOUTH SMALL            1112.0000     42.7692    10.1718     103.4446    (   26)
   AREA                   34.   SOUTH RURAL            1810.0000     32.9091     6.8995      47.6027    (   55)
   AREA                   41.   WEST LARGE             2567.0000     37.2029    11.0208     121.4582    (   69)
   AREA                   42.   WEST MEDIUM            2118.0000     39.9623    10.8450     117.6139    (   53)
   AREA                   43.   WEST SMALL             1840.0000     32.8571     8.0237      64.3792    (   56)

SCHOOLS                    2.                          9164.0000     38.6667    12.3193     151.7655    (  237)
   AREA                   11.   NE LARGE                533.0000     38.0714    11.0972     123.1486    (   14)
   AREA                   12.   NE MEDIUM               877.0000     36.5417    11.1744     124.8678    (   24)
   AREA                   13.   NE SMALL               1370.0000     41.5152    10.2260     104.5701    (   33)
   AREA                   21.   NCENT LARGE             289.0000     36.1250     8.7739      76.9821    (    8)
   AREA                   22.   NCENT MEDIUM            485.0000     34.6429     7.5305      56.7088    (   14)
   AREA                   24.   NCENT RURAL            2812.0000     49.3333    12.5802     158.2619    (   57)
   AREA                   31.   SOUTH LARGE            1000.0000     28.5714     7.7395      59.8992    (   35)
   AREA                   33.   SOUTH SMALL             811.0000     38.6190     8.3455      69.6476    (   21)
   AREA                   34.   SOUTH RURAL             177.0000     25.2857     7.5876      57.5714    (    7)
   AREA                   41.   WEST LARGE              268.0000     29.7778     8.2125      67.4444    (    9)
   AREA                   42.   WEST MEDIUM             157.0000     39.2500     7.3655      54.2500    (    4)
   AREA                   43.   WEST SMALL              385.0000     35.0000     7.4565      55.6000    (   11)

SCHOOLS                    3.                          1440.0000     42.3529    13.5062     182.4171    (   34)
   AREA                   12.   NE MEDIUM                25.0000     25.0000     0           0          (    1)
```

A-4-205 (cont.)

```
 VARIABLE                CODE   VALUE LABEL                  SUM         MEAN       STD DEV     VARIANCE       N

   AREA                    13.  NE SMALL                600.0000      35.2941      7.0955      50.3456    (   17)
   AREA                    22.  NCENT MEDIUM             37.0000      37.0000           0            0    (    1)
   AREA                    24.  NCENT RURAL             527.0000      58.5556     11.1928     125.2778    (    9)
   AREA                    31.  SOUTH LARGE              63.0000      31.5000      2.1213       4.5000    (    2)
   AREA                    33.  SOUTH SMALL             188.0000      47.0000     10.7393     115.3333    (    4)

SCHOOLS                     4.                          236.0000      59.0000     16.2686     264.6667    (    4)
   AREA                    24.  NCENT RURAL             236.0000      59.0000     16.2686     264.6667    (    4)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR      STAND SC 2ND GR MAT TOTAL READING
   BROKEN DOWN BY    SCHOOLS    NO. OF SCHOOLS ATTENDED
               BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE   VALUE LABEL                SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   145960.0000       48.7346      14.9501      223.5050   ( 2995)

SCHOOLS                    -99.                          62437.0000       47.0512      15.1411      229.2538   ( 1327)
   AREA                     11.  NE LARGE                23326.0000       45.7373      14.1881      201.3021   (  510)
   AREA                     12.  NE MEDIUM                4202.0000       48.8605      15.8909      252.5215   (   86)
   AREA                     13.  NE SMALL                 5043.0000       50.9394      15.9513      254.4453   (   99)
   AREA                     21.  NCENT LARGE              6228.0000       43.8592      15.6498      244.9162   (  142)
   AREA                     22.  NCENT MEDIUM             5539.0000       51.2870      14.9047      222.1505   (  108)
   AREA                     24.  NCENT RURAL              3447.0000       48.5493       9.9625       99.2511   (   71)
   AREA                     31.  SOUTH LARGE              3763.0000       37.6300      13.2380      175.2456   (  100)
   AREA                     33.  SOUTH SMALL              4426.0000       57.4805      14.7377      217.2003   (   77)
   AREA                     34.  SOUTH RURAL               297.0000       49.5000       8.3606       69.9000   (    6)
   AREA                     41.  WEST LARGE                617.0000       51.4167      18.0980      327.5379   (   12)
   AREA                     42.  WEST MEDIUM              3266.0000       51.8413      16.5590      274.2002   (   63)
   AREA                     43.  WEST SMALL               2283.0000       43.0755      13.2038      174.3463   (   53)

SCHOOLS                      1.                          67091.0000       49.6970      14.4147      207.7843   ( 1350)
   AREA                     11.  NE LARGE                22994.0000       47.1189      14.7458      217.4396   (  488)
   AREA                     12.  NE MEDIUM                5655.0000       51.4091      11.6283      135.2164   (  110)
   AREA                     13.  NE SMALL                 2960.0000       54.8148      14.8376      220.1537   (   54)
   AREA                     21.  NCENT LARGE              4879.0000       53.6154      14.5019      210.3060   (   91)
   AREA                     22.  NCENT MEDIUM             8972.0000       54.0482       9.9141       98.2886   (  166)
   AREA                     24.  NCENT RURAL              4792.0000       57.7349      10.7228      114.9777   (   83)
   AREA                     31.  SOUTH LARGE              2972.0000       38.1026      15.6898      246.1712   (   78)
   AREA                     33.  SOUTH SMALL              3304.0000       59.0000      13.0035      169.0909   (   56)
   AREA                     34.  SOUTH RURAL              1252.0000       43.1724      13.9542      194.7192   (   29)
   AREA                     41.  WEST LARGE               1237.0000       53.7826      11.4771      131.7233   (   23)
   AREA                     42.  WEST MEDIUM              4138.0000       49.2619      15.3655      236.0993   (   84)
   AREA                     43.  WEST SMALL               3936.0000       44.7273      12.3192      151.7638   (   88)

SCHOOLS                      2.                          14028.0000       51.7638      15.6306      244.3144   (  271)
   AREA                     11.  NE LARGE                  601.0000       46.2308      15.6905      246.1923   (   13)
   AREA                     12.  NE MEDIUM                1232.0000       53.5652      16.4690      271.2569   (   23)
   AREA                     13.  NE SMALL                 2649.0000       55.1875      11.6266      135.1769   (   48)
   AREA                     21.  NCENT LARGE               741.0000       52.9286      13.4534      180.9945   (   14)
   AREA                     22.  NCENT MEDIUM              538.0000       48.9091      20.0273      401.0909   (   11)
   AREA                     24.  NCENT RURAL              4135.0000       57.4306      10.9078      118.9810   (   72)
   AREA                     31.  SOUTH LARGE              1043.0000       34.7667      19.7967      391.9092   (   30)
   AREA                     33.  SOUTH SMALL              2258.0000       55.0732      13.7175      188.1695   (   41)
   AREA                     34.  SOUTH RURAL               120.0000       40.0000       8.5440       73.0000   (    3)
   AREA                     42.  WEST MEDIUM               340.0000       48.5714      10.6122      112.6190   (    7)
   AREA                     43.  WEST SMALL                371.0000       41.2222      16.2233      263.1944   (    9)

SCHOOLS                      3.                           2179.0000       50.6744      16.0353      257.1296   (   43)
   AREA                     13.  NE SMALL                 1481.0000       51.0690      11.1289      123.8522   (   29)
```

A-4-206 (cont.)

```
  VARIABLE               CODE     VALUE LABEL                    SUM            MEAN         STD DEV       VARIANCE         N

   AREA                    22.  NCENT MEDIUM              142.0000         47.3333          4.0415        16.3333    (     3)
   AREA                    24.  NCENT RURAL               192.0000         64.0000         19.4679       379.0000    (     3)
   AREA                    33.  SOUTH SMALL               364.0000         45.5000         28.6755       822.2857    (     8)

SCHOOLS                     4.                            225.0000         56.2500          8.8081        77.5833    (     4)
   AREA                    24.  NCENT RURAL               225.0000         56.2500          8.8081        77.5833    (     4)

  TOTAL CASES =    12996
MISSING CASES =    10001 OR  77.0 PCT.
```

A-4-207

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MMA     STAND SC MAT TOTAL MATH
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                 SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                   153133.0000      51.1295      11.2374      126.2791   (  2995)

SCHOOLS                   -99.                           66011.0000      49.7445      11.0238      121.5252   (  1327)
   AREA                    11.   NE LARGE                24602.0000      48.2392      10.6539      113.5065   (   510)
   AREA                    12.   NE MEDIUM                4113.0000      47.8256      11.0987      123.1810   (    86)
   AREA                    13.   NE SMALL                 5316.0000      53.6970      12.5937      158.6011   (    99)
   AREA                    21.   NCENT LARGE              6974.0000      49.1127      11.1451      124.2142   (   142)
   AREA                    22.   NCENT MEDIUM             5735.0000      53.1019      10.1179      102.3727   (   108)
   AREA                    24.   NCENT RURAL              3710.0000      52.2535      10.4276      108.7348   (    71)
   AREA                    31.   SOUTH LARGE              4253.0000      42.5300       8.0119       64.1910   (   100)
   AREA                    33.   SOUTH SMALL              4457.0000      57.8831      10.4554      109.3151   (    77)
   AREA                    34.   SOUTH RURAL               285.0000      47.5000       8.5965       73.9000   (     6)
   AREA                    41.   WEST LARGE                603.0000      50.2500       9.3335       87.1136   (    12)
   AREA                    42.   WEST MEDIUM              3406.0000      54.0635       9.6601       93.3185   (    63)
   AREA                    43.   WEST SMALL               2557.0000      48.2453       7.7532       60.1118   (    53)

SCHOOLS                     1.                           70215.0000      52.0111      11.1294      123.8642   (  1350)
   AREA                    11.   NE LARGE                24245.0000      49.6824      10.3358      106.8291   (   488)
   AREA                    12.   NE MEDIUM                5788.0000      52.6182      11.5393      133.1556   (   110)
   AREA                    13.   NE SMALL                 3124.0000      57.8519      11.3925      129.7890   (    54)
   AREA                    21.   NCENT LARGE              4821.0000      52.9780      11.9247      142.1995   (    91)
   AREA                    22.   NCENT MEDIUM             9084.0000      54.7229       9.9548       99.0985   (   166)
   AREA                    24.   NCENT RURAL              5023.0000      60.5181       9.6996       94.0820   (    83)
   AREA                    31.   SOUTH LARGE              3379.0000      43.3205       8.9841       80.7141   (    78)
   AREA                    33.   SOUTH SMALL              3323.0000      59.3393      10.3980      108.1192   (    56)
   AREA                    34.   SOUTH RURAL              1308.0000      45.1034       9.8320       96.6675   (    29)
   AREA                    41.   WEST LARGE               1173.0000      51.0000      12.5843      158.3636   (    23)
   AREA                    42.   WEST MEDIUM              4552.0000      54.1905      10.6990      114.4693   (    84)
   AREA                    43.   WEST SMALL               4395.0000      49.9432       8.3285       69.3646   (    88)

SCHOOLS                     2.                           14436.0000      53.2694      11.9181      142.0420   (   271)
   AREA                    11.   NE LARGE                  593.0000      45.6154       9.7172       94.4231   (    13)
   AREA                    12.   NE MEDIUM                1256.0000      54.6087      13.1797      173.7036   (    23)
   AREA                    13.   NE SMALL                 2628.0000      54.7500      11.0540      122.1915   (    48)
   AREA                    21.   NCENT LARGE               713.0000      50.9286      11.8092      139.4560   (    14)
   AREA                    22.   NCENT MEDIUM              592.0000      53.8182      15.3676      236.1636   (    11)
   AREA                    24.   NCENT RURAL              4140.0000      57.5000      11.5758      134.0000   (    72)
   AREA                    31.   SOUTH LARGE              1266.0000      42.2000       7.8010       60.8552   (    30)
   AREA                    33.   SOUTH SMALL              2309.0000      56.3171      10.2943      105.9720   (    41)
   AREA                    34.   SOUTH RURAL               132.0000      44.0000       7.2111       52.0000   (     3)
   AREA                    42.   WEST MEDIUM               364.0000      52.0000       4.0415       16.3333   (     7)
   AREA                    43.   WEST SMALL                443.0000      49.2222      11.2336      126.1944   (     9)

SCHOOLS                     3.                            2198.0000      51.1163      10.8523      117.7719   (    43)
   AREA                    13.   NE SMALL                 1405.0000      48.4483      10.5512      111.3276   (    29)
```

A-4-207 (cont.)

```
 VARIABLE              CODE   VALUE LABEL               SUM         MEAN       STD DEV       VARIANCE        N

  AREA                   22.  NCENT MEDIUM          138.0000      46.0000      11.3578      129.0000    (     3)
  AREA                   24.  NCENT RURAL           185.0000      61.6667       6.1101       37.3333    (     3)
  AREA                   33.  SOUTH SMALL           470.0000      58.7500       7.6672       58.7857    (     8)

CHOOLS                    4.                        273.0000      68.2500      13.4009      179.5833    (     4)
  AREA                   24.  NCENT RURAL           273.0000      68.2500      13.4009      179.5833    (     4)

 TOTAL CASES =   12996
ISSING CASES =   10001 OR   77.0 PCT.
```

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MA
   BROKEN DOWN BY    SCHOOLS      NO. OF SCHOOLS ATTENDED
               BY    AREA         REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   VARIABLE              CODE     VALUE LABEL               SUM             MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                 226369,0000         57.4395       13.2861       176,5195  (  3941)

SCHOOLS                  -99.                          40047,0000         58.3776       13.6876       187,3507  (   686)
    AREA                  11.     NE LARGE              6323,0000         59.0935       12.7498       162,5572  (   107)
    AREA                  12.     NE MEDIUM             5752,0000         56.9505       10.3898       107,9475  (   101)
    AREA                  22.     NCENT MEDIUM          2756,0000         64.0930       14.4136       207,7530  (    43)
    AREA                  24.     NCENT RURAL           4603,0000         59.0128       13.8924       192,9998  (    78)
    AREA                  31.     SOUTH LARGE           2888,0000         44.4308       10.2026       104,0938  (    65)
    AREA                  33.     SOUTH SMALL           4881,0000         65.9595       13.1508       172,9435  (    74)
    AREA                  34.     SOUTH RURAL            190,0000         63.3333        1.5275         2,3333  (     3)
    AREA                  41.     WEST LARGE             663,0000         60.2727        7.9386        63,0182  (    11)
    AREA                  42.     WEST MEDIUM           3962,0000         59.1343       13.1321       172,4514  (    67)
    AREA                  43.     WEST SMALL            2698,0000         50.9057       12.5208       156,9717  (    53)
    AREA                  44.     WEST RURAL            5331,0000         63.4643       12.6961       161,1915  (    84)

SCHOOLS                    1.                         145359,0000         56.9589       12.8036       163,9321  (  2552)
    AREA                  11.     NE LARGE             37466,0000         53.8305       11.1628       124,6072  (   696)
    AREA                  12.     NE MEDIUM            11056,0000         59.1230       11.9924       143,8181  (   187)
    AREA                  13.     NE SMALL              4190,0000         63.4848       13.4887       181,9459  (    66)
    AREA                  21.     NCENT LARGE          14172,0000         55.7953       13.5672       184,0686  (   254)
    AREA                  22.     NCENT MEDIUM         16789,0000         61.0509       11.6774       136,3624  (   275)
    AREA                  24.     NCENT RURAL           9633,0000         66.8958       10.6092       112,5555  (   144)
    AREA                  31.     SOUTH LARGE          12856,0000         47.9701       11.3183       128,1040  (   268)
    AREA                  33.     SOUTH SMALL           4810,0000         66.8056       11.1906       125,2291  (    72)
    AREA                  34.     SOUTH RURAL           6420,0000         53.5000        8.8013        77,4622  (   120)
    AREA                  41.     WEST LARGE            7649,0000         58.3893       11.3765       129,4242  (   131)
    AREA                  42.     WEST MEDIUM          11287,0000         61.3424       13.1173       172,0625  (   184)
    AREA                  43.     WEST SMALL            6334,0000         53.2269        9.8664        97,3466  (   119)
    AREA                  44.     WEST RURAL            2697,0000         74.9167       10.7766       116,1357  (    36)

SCHOOLS                    2.                          36151,0000         58.0273       14.4780       209,6118  (   623)
    AREA                  11.     NE LARGE              1604,0000         51.7419        9.8081        96,1978  (    31)
    AREA                  12.     NE MEDIUM             3126,0000         60.1154       15.3363       235,2021  (    52)
    AREA                  13.     NE SMALL              3957,0000         62.8095       13.2432       175,3825  (    63)
    AREA                  21.     NCENT LARGE           2740,0000         53.7255       12.7218       161,8431  (    51)
    AREA                  22.     NCENT MEDIUM          3159,0000         59.6038       18.1451       329,2438  (    53)
    AREA                  24.     NCENT RURAL           6841,0000         67.0686       13.0916       171,3913  (   102)
    AREA                  31.     SOUTH LARGE           4576,0000         47.6667       10.9522       119,9509  (    96)
    AREA                  33.     SOUTH SMALL           2873,0000         62.4565       11.0045       121,0981  (    46)
    AREA                  34.     SOUTH RURAL            545,0000         49.5455        9.2126        84,8727  (    11)
    AREA                  41.     WEST LARGE            1688,0000         46.8889       10.5093       110,4444  (    36)
    AREA                  42.     WEST MEDIUM           2507,0000         59.6905        9.9792        99,5848  (    42)
    AREA                  43.     WEST SMALL             934,0000         54.9412       12.6119       159,0588  (    17)
    AREA                  44.     WEST RURAL            1601,0000         69.6087        8.9936        80,8854  (    23)
```

A-4-208 (cont.)

```
                                                                                                    PAGE  354

VARIABLE                    CODE    VALUE LABEL                    SUM          MEAN        STD DEV       VARIANCE        N

CHOOLS                        3.                             4462.0000       59.4933        14.4684       209.3344   (   75)
   AREA                      12.   NE MEDIUM                  177.0000       59.0000        21.5174       463.0000   (    3)
   AREA                      13.   NE SMALL                  1666.0000       55.5333        15.2784       233.4299   (   30)
   AREA                      21.   NCENT LARGE                153.0000       51.0000        12.4900       156.0000   (    3)
   AREA                      22.   NCENT MEDIUM               333.0000       55.5000        12.1285       147.1000   (    6)
   AREA                      24.   NCENT RURAL               1029.0000       73.5000        10.1735       103.5000   (   14)
   AREA                      31.   SOUTH LARGE                386.0000       55.1429         8.7831        77.1429   (    7)
   AREA                      33.   SOUTH SMALL                553.0000       61.4444        11.3149       128.0278   (    9)
   AREA                      41.   WEST LARGE                 100.0000       50.0000         2.8284         8.0000   (    2)
   AREA                      42.   WEST MEDIUM                 65.0000       65.0000              0              0   (    1)

CHOOLS                        4.                              350.0000       70.0000        12.0208       144.5000   (    5)
   AREA                      24.   NCENT RURAL                350.0000       70.0000        12.0208       144.5000   (    5)

 TOTAL CASES =   12996
ISSING CASES =    9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3MMAB    STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY   SCHOOLS    NO. OF SCHOOLS ATTENDED
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE    VALUE LABEL                   SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                     249263.0000       63.2487      12.9306     167.2006   (  3941)

SCHOOLS                   -99.                             44534.0000       64.9184      12.6646     160.3933   (   686)
   AREA                    11.    NE LARGE                  7000.0000       65.4206      11.3112     127.9441   (   107)
   AREA                    12.    NE MEDIUM                 6447.0000       63.8317      11.9449     142.6814   (   101)
   AREA                    22.    NCENT MEDIUM              3111.0000       72.3488      11.0688     122.5183   (    43)
   AREA                    24.    NCENT RURAL               5178.0000       66.3846       9.3381      87.2008   (    78)
   AREA                    31.    SOUTH LARGE               3371.0000       51.8615       9.6903      93.9024   (    65)
   AREA                    33.    SOUTH SMALL               5369.0000       72.5541      11.3803     129.5107   (    74)
   AREA                    34.    SOUTH RURAL                206.0000       68.6667       8.3267      69.3333   (     3)
   AREA                    41.    WEST LARGE                 693.0000       63.0000      12.4660     155.4000   (    11)
   AREA                    42.    WEST MEDIUM               4244.0000       63.3433      12.4140     154.1076   (    67)
   AREA                    43.    WEST SMALL                3091.0000       58.3208      11.3507     128.8374   (    53)
   AREA                    44.    WEST RURAL                5824.0000       69.3333      12.9292     167.1647   (    84)

SCHOOLS                     1.                            159761.0000       62.6023      12.7697     163.0660   (  2552)
   AREA                    11.    NE LARGE                 41554.0000       59.7040      11.7997     139.2331   (   696)
   AREA                    12.    NE MEDIUM                12211.0000       65.2995      13.4635     181.2647   (   187)
   AREA                    13.    NE SMALL                  4361.0000       66.0758      13.6376     185.9788   (    66)
   AREA                    21.    NCENT LARGE              15513.0000       61.0748      12.3879     153.4608   (   254)
   AREA                    22.    NCENT MEDIUM             18499.0000       67.2691      10.9851     120.6719   (   275)
   AREA                    24.    NCENT RURAL              10434.0000       72.4583      10.6718     113.8864   (   144)
   AREA                    31.    SOUTH LARGE              14709.0000       54.8843       9.9141      98.2899   (   268)
   AREA                    33.    SOUTH SMALL               5351.0000       74.3194      11.5671     133.7979   (    72)
   AREA                    34.    SOUTH RURAL               7207.0000       60.0583      10.7432     115.4167   (   120)
   AREA                    41.    WEST LARGE                8324.0000       63.5420      11.9816     143.5578   (   131)
   AREA                    42.    WEST MEDIUM              11808.0000       64.1739      13.7639     189.4450   (   184)
   AREA                    43.    WEST SMALL                6946.0000       58.3697      10.4313     108.8113   (   119)
   AREA                    44.    WEST RURAL                2844.0000       79.0000       7.5706      57.3143   (    36)

SCHOOLS                     2.                             39930.0000       64.1075      13.6443     186.1669   (   623)
   AREA                    11.    NE LARGE                  1737.0000       56.0323      10.7004     114.4989   (    31)
   AREA                    12.    NE MEDIUM                 3542.0000       68.1154      13.8828     192.7315   (    52)
   AREA                    13.    NE SMALL                  4242.0000       67.3333      12.7949     163.7097   (    63)
   AREA                    21.    NCENT LARGE               3017.0000       59.1569      10.6609     113.6549   (    51)
   AREA                    22.    NCENT MEDIUM              3508.0000       66.1887      14.9551     223.6560   (    53)
   AREA                    24.    NCENT RURAL               7504.0000       73.5686      10.6292     112.9804   (   102)
   AREA                    31.    SOUTH LARGE               5120.0000       53.3333       9.8800      97.6140   (    96)
   AREA                    33.    SOUTH SMALL               3163.0000       68.7609      11.6298     135.2527   (    46)
   AREA                    34.    SOUTH RURAL                632.0000       57.4545      11.3874     129.6727   (    11)
   AREA                    41.    WEST LARGE                1944.0000       54.0000       8.5524      73.1429   (    36)
   AREA                    42.    WEST MEDIUM               2755.0000       65.5952      12.3369     152.1980   (    42)
   AREA                    43.    WEST SMALL                1016.0000       59.7647      12.7795     163.3162   (    17)
   AREA                    44.    WEST RURAL                1759.0000       76.4783       7.4704      55.8063   (    23)
```

A-4-209 (cont.)

```
 VARIABLE              CODE    VALUE LABEL                SUM          MEAN        STD DEV      VARIANCE         N

CHOOLS                   3.                          4672.0000       62.2933       13.2418      175.3452    (   75)
  AREA                  12.   NE MEDIUM               186.0000       62.0000       10.0000      100.0000    (    3)
  AREA                  13.   NE SMALL               1729.0000       57.6333       13.7978      190.3782    (   30)
  AREA                  21.   NCENT LARGE             152.0000       50.6667        7.0238       49.3333    (    3)
  AREA                  22.   NCENT MEDIUM            395.0000       65.8333       14.2887      204.1667    (    6)
  AREA                  24.   NCENT RURAL            1033.0000       73.7857        5.7268       32.7967    (   14)
  AREA                  31.   SOUTH LARGE             400.0000       57.1429       13.2342      175.1429    (    7)
  AREA                  33.   SOUTH SMALL             617.0000       68.5556       10.4416      109.0278    (    9)
  AREA                  41.   WEST LARGE              107.0000       53.5000        4.9497       24.5000    (    2)
  AREA                  42.   WEST MEDIUM              53.0000       53.0000             0             0    (    1)

CHOOLS                   4.                           357.0000       71.4000        8.7920       77.3000    (    5)
  AREA                  24.   NCENT RURAL             357.0000       71.4000        8.7920       77.3000    (    5)

 TOTAL CASES =    12996
ISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    FKW        FALL KIND WRAT TOTAL
    BROKEN DOWN BY    ECONSTAT   INCOME AND POVERTY LEVEL
                BY    AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE              CODE    VALUE LABEL                    SUM          MEAN       STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                  250957.0000       28.2577       13.0889      171.3195   ( 8881)

ECONSTAT                 -97.                          104583.0000       27.5654       13.0722      170.8833   ( 3794)
   AREA                   11.   NE LARGE                50030.0000       27.7328       12.6797      160.7749   ( 1804)
   AREA                   12.   NE MEDIUM                5872.0000       26.8128       11.7351      137.7125   (  219)
   AREA                   13.   NE SMALL                  632.0000       31.6000       12.8407      164.8842   (   20)
   AREA                   21.   NCENT LARGE             10261.0000       27.3627       13.6839      187.2478   (  375)
   AREA                   22.   NCENT MEDIUM             9587.0000       31.8505       14.0027      196.0742   (  301)
   AREA                   24.   NCENT RURAL              1131.0000       29.7632       13.4535      180.9964   (   38)
   AREA                   31.   SOUTH LARGE             10045.0000       21.1029       11.0227      121.4989   (  476)
   AREA                   33.   SOUTH SMALL              1371.0000       31.1591       13.0365      169.9508   (   44)
   AREA                   34.   SOUTH RURAL               732.0000       23.6129       12.0545      145.3118   (   31)
   AREA                   41.   WEST LARGE               7014.0000       32.1743       13.2044      174.3566   (  218)
   AREA                   42.   WEST MEDIUM              4445.0000       30.2381       13.9192      193.7443   (  147)
   AREA                   43.   WEST SMALL               2689.0000       26.8900       13.1924      174.0383   (  100)
   AREA                   44.   WEST RURAL                774.0000       36.8571       10.3696      107.5286   (   21)

ECONSTAT                   1.   10K-, BELOW POVERTY     50725.0000       24.4458       11.1691      124.7406   ( 2075)
   AREA                   11.   NE LARGE                 6491.0000       24.4943       11.6545      135.8267   (  265)
   AREA                   12.   NE MEDIUM                4009.0000       22.6497       10.2653      105.3766   (  177)
   AREA                   13.   NE SMALL                 1677.0000       24.6618       10.6219      112.8242   (   68)
   AREA                   21.   NCENT LARGE             10114.0000       26.1344       10.9730      120.4068   (  387)
   AREA                   22.   NCENT MEDIUM             4316.0000       25.5385       11.3069      127.8452   (  169)
   AREA                   24.   NCENT RURAL              2162.0000       22.5208       11.7491      138.0417   (   96)
   AREA                   31.   SOUTH LARGE              4955.0000       20.3909        9.6723       93.5531   (  243)
   AREA                   33.   SOUTH SMALL               917.0000       19.1042        9.1889       84.4357   (   48)
   AREA                   34.   SOUTH RURAL              1850.0000       20.5556       10.0874      101.7553   (   90)
   AREA                   41.   WEST LARGE               6296.0000       29.0138       11.1586      124.5137   (  217)
   AREA                   42.   WEST MEDIUM              4182.0000       26.1375       11.2101      125.6665   (  160)
   AREA                   43.   WEST SMALL               3391.0000       23.5486       10.8736      118.2154   (  144)
   AREA                   44.   WEST RURAL                365.0000       33.1818       11.6002      134.5636   (   11)

ECONSTAT                   2.   10K-, ABOVE POVERTY     65790.0000       30.4583       13.2132      174.5893   ( 2160)
   AREA                   11.   NE LARGE                 7337.0000       29.2311       12.4959      156.1464   (  251)
   AREA                   12.   NE MEDIUM                6753.0000       30.9771       13.4025      179.6262   (  218)
   AREA                   13.   NE SMALL                 4603.0000       28.4136       13.7559      189.2254   (  162)
   AREA                   21.   NCENT LARGE              7086.0000       28.6883       12.3534      152.6057   (  247)
   AREA                   22.   NCENT MEDIUM             8681.0000       31.9154       13.4794      181.6939   (  272)
   AREA                   24.   NCENT RURAL              6858.0000       34.4623       13.1082      171.8256   (  199)
   AREA                   31.   SOUTH LARGE              2941.0000       22.4504       12.6984      161.2494   (  131)
   AREA                   33.   SOUTH SMALL              2807.0000       29.5474       12.8641      165.4844   (   95)
   AREA                   34.   SOUTH RURAL              1423.0000       24.1186       10.9750      120.4512   (   59)
   AREA                   41.   WEST LARGE               5293.0000       33.2893       12.5639      157.8525   (  159)
   AREA                   42.   WEST MEDIUM              5995.0000       33.4916       12.9491      167.6783   (  179)
```

A-4-210 (cont.)

```
   VARIABLE              CODE   VALUE LABEL                 SUM          MEAN        STD DEV       VARIANCE         N

    AREA                  43.   WEST SMALL             4215.0000       29.6831       12.1512       147.6506    (   142)
    AREA                  44.   WEST RURAL             1798.0000       39.0870       11.1631       124.6145    (    46)

 ECONSTAT                  3.   10K+, BELOW POVERTY      12.0000       12.0000             0              0    (     1)
    AREA                  21.   NCENT LARGE              12.0000       12.0000             0              0    (     1)

 ECONSTAT                  4.   10K+, ABOVE POVERTY  29847.0000       35.0729       13.5155       182.6676    (   851)
    AREA                  11.   NE LARGE               2291.0000       35.7969       13.7843       190.0057    (    64)
    AREA                  12.   NE MEDIUM              2368.0000       34.3188       13.6613       186.6321    (    69)
    AREA                  13.   NE SMALL               2844.0000       36.9351       13.4442       180.7457    (    77)
    AREA                  21.   NCENT LARGE            4618.0000       36.9440       14.6421       214.3920    (   125)
    AREA                  22.   NCENT MEDIUM           4866.0000       34.2676       12.6704       160.5378    (   142)
    AREA                  24.   NCENT RURAL            3589.0000       38.1809       14.5757       212.4508    (    94)
    AREA                  31.   SOUTH LARGE             745.0000       24.8333       11.7446       137.9368    (    30)
    AREA                  33.   SOUTH SMALL            1359.0000       32.3571       13.9857       195.6010    (    42)
    AREA                  34.   SOUTH RURAL             417.0000       27.8000        8.3169        69.1714    (    15)
    AREA                  41.   WEST LARGE             1618.0000       36.7727       11.8437       140.2727    (    44)
    AREA                  42.   WEST MEDIUM            2147.0000       32.5303       12.4829       155.8221    (    66)
    AREA                  43.   WEST SMALL             1136.0000       30.7027       12.1103       146.6592    (    37)
    AREA                  44.   WEST RURAL             1849.0000       40.1957       10.5085       110.4275    (    46)

   TOTAL CASES =    12996
 MISSING CASES =     4115 OR  31.7 PCT.
```

A-4-211

```
- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - -
ITERION VARIABLE   SKW        SPR KIND WRAT TOTAL SC
  BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
              BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
  VARIABLE            CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE        N

R ENTIRE POPULATION                                   170730.0000     33.3327     12.8089     164.0674    ( 5122)

CONSTAT               -97.                             80593.0000     32.2372     12.5031     156.3267    ( 2500)
  AREA                 11.   NE LARGE                  26565.0000     31.4379     12.7400     162.3080    (  845)
  AREA                 12.   NE MEDIUM                  5707.0000     33.5706     12.6743     160.6370    (  170)
  AREA                 13.   NE SMALL                    805.0000     32.2000      8.9582      80.2500    (   25)
  AREA                 21.   NCENT LARGE                8867.0000     31.5552     11.9175     142.0264    (  281)
  AREA                 22.   NCENT MEDIUM              13584.0000     39.2601     12.2761     150.7032    (  346)
  AREA                 24.   NCENT RURAL                 823.0000     34.2917     12.5021     156.3025    (   24)
  AREA                 31.   SOUTH LARGE                8504.0000     26.9114      9.0693      82.2524    (  316)
  AREA                 32.   SOUTH MEDIUM               4405.0000     28.9803      8.9305      79.7546    (  152)
  AREA                 33.   SOUTH SMALL                1371.0000     35.1538     13.3151     177.2915    (   39)
  AREA                 34.   SOUTH RURAL                 396.0000     23.2941     15.6675     245.4706    (   17)
  AREA                 41.   WEST LARGE                 2523.0000     34.5616     13.0075     169.1941    (   73)
  AREA                 42.   WEST MEDIUM                4424.0000     34.2946     14.3415     205.6782    (  129)
  AREA                 43.   WEST SMALL                 2619.0000     31.5542     11.4405     130.8842    (   83)

CONSTAT                 1.   10K-, BELOW POVERTY       31582.0000     30.4552     11.4516     131.1401    ( 1037)
  AREA                 11.   NE LARGE                   3115.0000     29.9519     12.8232     164.4346    (  104)
  AREA                 12.   NE MEDIUM                  3580.0000     32.5455     12.4234     154.3420    (  110)
  AREA                 13.   NE SMALL                   1748.0000     27.3125      9.4447      89.2024    (   64)
  AREA                 21.   NCENT LARGE                6940.0000     32.7358     11.1973     125.3801    (  212)
  AREA                 22.   NCENT MEDIUM               2732.0000     32.9157     12.0002     144.0050    (   83)
  AREA                 24.   NCENT RURAL                2346.0000     34.5000     10.7932     116.4925    (   68)
  AREA                 31.   SOUTH LARGE                3919.0000     28.1942      9.7326      94.7229    (  139)
  AREA                 33.   SOUTH SMALL                1061.0000     25.2619     13.0010     169.0273    (   42)
  AREA                 34.   SOUTH RURAL                 619.0000     19.3438      8.4380      71.2006    (   32)
  AREA                 41.   WEST LARGE                  190.0000     27.1429      8.3751      70.1429    (    7)
  AREA                 42.   WEST MEDIUM                3467.0000     32.7075     10.1989     104.0184    (  106)
  AREA                 43.   WEST SMALL                 1865.0000     26.6429      8.9912      80.8416    (   70)

CONSTAT                 2.   10K-, ABOVE POVERTY       40408.0000     35.8863     12.9369     167.3631    ( 1126)
  AREA                 11.   NE LARGE                   2844.0000     33.0698     12.8180     164.3010    (   86)
  AREA                 12.   NE MEDIUM                  5661.0000     40.7266     11.8712     140.9247    (  139)
  AREA                 13.   NE SMALL                   4237.0000     35.0165     12.9576     167.8997    (  121)
  AREA                 21.   NCENT LARGE                5136.0000     35.6667     11.6042     134.6573    (  144)
  AREA                 22.   NCENT MEDIUM               5650.0060     39.2361     13.1053     171.7481    (  144)
  AREA                 24.   NCENT RURAL                3923.0000     38.8416     12.8287     164.5747    (  101)
  AREA                 31.   SOUTH LARGE                2443.0000     30.5375     11.7903     139.0112    (   80)
  AREA                 33.   SOUTH SMALL                2512.0000     33.4933     13.5121     182.5777    (   75)
  AREA                 34.   SOUTH RURAL                 760.0000     29.2308     11.8939     141.4446    (   26)
  AREA                 41.   WEST LARGE                 1142.0000     36.8387     15.5007     240.2731    (   31)
  AREA                 42.   WEST MEDIUM                3532.0000     34.9703     13.6715     186.9091    (  101)
  AREA                 43.   WEST SMALL                 2568.0000     32.9231     11.0003     121.0070    (   78)
```

A-4-211 (cont.)

```
    VARIABLE             CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE         N

ECONSTAT                   4.   10K+, ABOVE POVERTY   18147.0000       39.5359      13.9237      193.8693    (   459)
   AREA                   11.   NE LARGE               1051.0000       37.5357      14.3333      205.4431    (    28)
   AREA                   12.   NE MEDIUM              1619.0000       40.4750      13.6382      185.9994    (    40)
   AREA                   13.   NE SMALL               2571.0000       41.4677      14.5216      210.8760    (    62)
   AREA                   21.   NCENT LARGE            2838.0000       41.7353      13.4981      182.1975    (    68)
   AREA                   22.   NCENT MEDIUM           3027.0000       40.9054      14.1665      200.6896    (    74)
   AREA                   24.   NCENT RURAL            2112.0000       41.4118      12.8284      164.5671    (    51)
   AREA                   31.   SOUTH LARGE             727.0000       31.6087       9.3989       88.3399    (    23)
   AREA                   33.   SOUTH SMALL            1337.0000       38.2000      13.5772      184.3412    (    35)
   AREA                   34.   SOUTH RURAL             261.0000       29.0000       9.7468       95.0000    (     9)
   AREA                   41.   WEST LARGE              483.0000       40.2500      17.2739      298.3864    (    12)
   AREA                   42.   WEST MEDIUM            1345.0000       38.4286      14.9790      224.3697    (    35)
   AREA                   43.   WEST SMALL              776.0000       35.2727      14.1057      198.9697    (    22)

  TOTAL CASES =    12996
MISSING CASES =     7874 OR  60.6 PCT.
```

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMLS      STAND SC SPR KIND MAT LISTENING-SOUND
    BROKEN DOWN BY   ECONSTAT    INCOME AND POVERTY LEVEL
                BY   AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE            CODE    VALUE LABEL                   SUM           MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                   123551.0000       26.5473       4.4723       20.0011     ( 4654)

ECONSTAT               -97.                              58654.0000       26.2199       4.4120       19.4659     ( 2237)
   AREA                 11.   NE LARGE                   17870.0000       26.0116       4.5749       20.9299     (  687)
   AREA                 12.   NE MEDIUM                   4113.0000       26.3654       4.6045       21.2011     (  156)
   AREA                 13.   NE SMALL                     647.0000       25.8800       2.7737        7.6933     (   25)
   AREA                 21.   NCENT LARGE                 6933.0000       26.0639       4.2096       17.7204     (  266)
   AREA                 22.   NCENT MEDIUM                9343.0000       27.9731       4.6869       21.9682     (  334)
   AREA                 24.   NCENT RURAL                  594.0000       25.8261       3.4464       11.8775     (   23)
   AREA                 31.   SOUTH LARGE                 6831.0000       24.1378       2.7635        7.6370     (  283)
   AREA                 32.   SOUTH MEDIUM                3828.0000       25.3510       3.3110       10.9626     (  151)
   AREA                 33.   SOUTH SMALL                 1020.0000       27.5676       4.1065       16.8634     (   37)
   AREA                 34.   SOUTH RURAL                  206.0000       25.7500       6.3415       40.2143     (    8)
   AREA                 41.   WEST LARGE                  1894.0000       27.0571       4.6027       21.1851     (   70)
   AREA                 42.   WEST MEDIUM                 3331.0000       27.5289       5.4146       29.3179     (  121)
   AREA                 43.   WEST SMALL                  2044.0000       26.8947       3.6353       13.2154     (   76)

ECONSTAT                 1.   10K-, BELOW POVERTY        23516.0000       25.7005       3.7358       13.9562     (  915)
   AREA                 11.   NE LARGE                    2091.0000       25.5000       4.0923       16.7469     (   82)
   AREA                 12.   NE MEDIUM                   2501.0000       25.7835       3.9350       15.4839     (   97)
   AREA                 13.   NE SMALL                    1461.0000       25.1897       2.6455        6.9985     (   58)
   AREA                 21.   NCENT LARGE                 5183.0000       26.3096       4.1145       16.9291     (  197)
   AREA                 22.   NCENT MEDIUM                2058.0000       26.0506       4.4257       19.5871     (   79)
   AREA                 24.   NCENT RURAL                 1713.0000       26.3538       3.1595        9.9822     (   65)
   AREA                 31.   SOUTH LARGE                 3095.0000       24.1797       3.1980       10.2273     (  128)
   AREA                 33.   SOUTH SMALL                  879.0000       25.1143       2.7841        7.7513     (   35)
   AREA                 34.   SOUTH RURAL                  244.0000       24.4000       3.5653       12.7111     (   10)
   AREA                 41.   WEST LARGE                   175.0000       25.0000       3.0000        9.0000     (    7)
   AREA                 42.   WEST MEDIUM                 2522.0000       26.5474       3.4108       11.6336     (   95)
   AREA                 43.   WEST SMALL                  1594.0000       25.7097       3.3358       11.1274     (   62)

ECONSTAT                 2.   10K-, ABOVE POVERTY        29017.0000       27.2973       4.6733       21.8400     ( 1063)
   AREA                 11.   NE LARGE                    1867.0000       26.6714       3.9073       15.2673     (   70)
   AREA                 12.   NE MEDIUM                   3811.0000       28.0221       4.8739       23.7551     (  136)
   AREA                 13.   NE SMALL                    3150.0000       27.6316       4.5472       20.6772     (  114)
   AREA                 21.   NCENT LARGE                 3806.0000       27.3813       4.1727       17.4115     (  139)
   AREA                 22.   NCENT MEDIUM                3853.0000       27.9203       5.1913       26.9498     (  138)
   AREA                 24.   NCENT RURAL                 2757.0000       27.8485       4.8705       23.7217     (   99)
   AREA                 31.   SOUTH LARGE                 1880.0000       25.4054       4.2132       17.7512     (   74)
   AREA                 33.   SOUTH SMALL                 1929.0000       26.7917       4.4181       19.5194     (   72)
   AREA                 34.   SOUTH RURAL                  487.0000       27.0556       4.8321       23.3497     (   18)
   AREA                 41.   WEST LARGE                   834.0000       26.9032       5.8387       34.0903     (   31)
   AREA                 42.   WEST MEDIUM                 2649.0000       27.5938       5.1475       26.4964     (   96)
   AREA                 43.   WEST SMALL                  1994.0000       26.2368       3.6143       13.0632     (   76)
```

A-4-212 (cont.)

```
VARIABLE             CODE   VALUE LABEL                 SUM          MEAN        STD DEV      VARIANCE        N

ECONSTAT               4.   10K+, ABOVE POVERTY   12364.0000      28.1640       4.9996      24.9959    (   439)
   AREA               11.   NE LARGE                664.0000      28.8696       6.1371      37.6640    (    23)
   AREA               12.   NE MEDIUM              1098.0000      28.1538       5.3927      29.0819    (    39)
   AREA               13.   NE SMALL               1716.0000      29.5862       4.9525      24.5275    (    58)
   AREA               21.   NCENT LARGE            1942.0000      28.9851       4.9405      24.4089    (    67)
   AREA               22.   NCENT MEDIUM           1939.0000      28.1014       4.6783      21.8866    (    69)
   AREA               24.   NCENT RURAL            1452.0000      28.4706       5.1782      26.8141    (    51)
   AREA               31.   SOUTH LARGE             558.0000      25.3636       2.6285       6.9091    (    22)
   AREA               33.   SOUTH SMALL             957.0000      27.3429       4.5111      20.3496    (    35)
   AREA               34.   SOUTH RURAL             176.0000      25.1429       1.8645       3.4762    (     7)
   AREA               41.   WEST LARGE              346.0000      28.8333       6.1324      37.6061    (    12)
   AREA               42.   WEST MEDIUM             945.0000      27.7941       5.6342      31.7442    (    34)
   AREA               43.   WEST SMALL              571.0000      25.9545       3.7857      14.3312    (    22)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

```
SUBFILE   NET304     COHORT9

- - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMRD     STAND SC SPR KIND MAT READING
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                      SUM           MEAN        STD DEV      VARIANCE        N

FOR ENTIRE POPULATION                                          119208.0000        25.6141       4.5696       20.8813    ( 4654)

ECONSTAT                   -97.                                 56911.0000        25.4408       4.5270       20.4935    ( 2237)
   AREA                     11.   NE LARGE                      17854.0000        25.9884       4.4968       20.2214    (  687)
   AREA                     12.   NE MEDIUM                      4023.0000        25.7885       4.3344       18.7872    (  156)
   AREA                     13.   NE SMALL                        622.0000        24.8800       3.2828       10.7767    (   25)
   AREA                     21.   NCENT LARGE                    6626.0000        24.9098       4.3903       19.2748    (  266)
   AREA                     22.   NCENT MEDIUM                   8939.0000        26.7635       4.5909       21.0760    (  334)
   AREA                     24.   NCENT RURAL                     593.0000        25.7826       4.2099       17.7233    (   23)
   AREA                     31.   SOUTH LARGE                    6622.0000        23.3993       3.9955       15.9641    (  283)
   AREA                     32.   SOUTH MEDIUM                   3587.0000        23.7550       4.2442       18.0129    (  151)
   AREA                     33.   SOUTH SMALL                     961.0000        25.9730       3.3787       11.4159    (   37)
   AREA                     34.   SOUTH RURAL                     184.0000        23.0000       5.5549       30.8571    (    8)
   AREA                     41.   WEST LARGE                     1850.0000        26.4286       4.3857       19.2340    (   70)
   AREA                     42.   WEST MEDIUM                    3144.0000        25.9835       4.9665       24.6664    (  121)
   AREA                     43.   WEST SMALL                     1906.0000        25.0789       4.4295       19.6204    (   76)

ECONSTAT                     1.   10K-, BELOW POVERTY           22515.0000        24.6066       4.2758       18.2827    (  915)
   AREA                     11.   NE LARGE                       2034.0000        24.8049       3.7199       13.8380    (   82)
   AREA                     12.   NE MEDIUM                      2494.0000        25.7113       4.1931       17.5825    (   97)
   AREA                     13.   NE SMALL                       1364.0000        23.5172       4.6273       21.4120    (   58)
   AREA                     21.   NCENT LARGE                    4982.0000        25.2893       4.2705       18.2373    (  197)
   AREA                     22.   NCENT MEDIUM                   1994.0000        25.2405       4.3359       18.8004    (   79)
   AREA                     24.   NCENT RURAL                    1632.0000        25.1077       3.9612       15.6913    (   65)
   AREA                     31.   SOUTH LARGE                    3084.0000        24.0938       4.0087       16.0699    (  128)
   AREA                     33.   SOUTH SMALL                     789.0000        22.5429       5.2934       28.0202    (   35)
   AREA                     34.   SOUTH RURAL                     220.0000        22.0000       4.5706       20.8889    (   10)
   AREA                     41.   WEST LARGE                      158.0000        22.5714       5.3807       28.9524    (    7)
   AREA                     42.   WEST MEDIUM                    2385.0000        25.1053       3.5922       12.9037    (   95)
   AREA                     43.   WEST SMALL                     1379.0000        22.2419       4.2221       17.8258    (   62)

ECONSTAT                     2.   10K-, ABOVE POVERTY           27905.0000        26.2512       4.5739       20.9208    ( 1063)
   AREA                     11.   NE LARGE                       1865.0000        26.6429       4.5748       20.9286    (   70)
   AREA                     12.   NE MEDIUM                      3768.0000        27.7059       4.0536       16.4316    (  134)
   AREA                     13.   NE SMALL                       2953.0000        25.9035       4.8225       23.2561    (  114)
   AREA                     21.   NCENT LARGE                    3687.0000        26.5252       4.1500       17.2222    (  139)
   AREA                     22.   NCENT MEDIUM                   3713.0000        26.9058       4.3696       19.0933    (  138)
   AREA                     24.   NCENT RURAL                    2618.0000        26.4444       5.0229       25.2290    (   99)
   AREA                     31.   SOUTH LARGE                    1831.0000        24.7432       4.5932       21.0976    (   74)
   AREA                     33.   SOUTH SMALL                    1804.0000        25.0556       4.7319       22.3912    (   72)
   AREA                     34.   SOUTH RURAL                     454.0000        25.2222       4.4794       20.0454    (   18)
   AREA                     41.   WEST LARGE                      809.0000        26.0968       5.1533       26.5570    (   31)
   AREA                     42.   WEST MEDIUM                    2478.0000        25.8125       4.8304       23.3329    (   96)
   AREA                     43.   WEST SMALL                     1925.0000        25.3289       4.0312       16.2504    (   76)
```

A-4-213 (cont.)

```
                                                                                PAGE  236

VARIABLE          CODE   VALUE LABEL                SUM        MEAN      STD DEV    VARIANCE       N

ECONSTAT            4.   10K+, ABOVE POVERTY   11877.0000    27.0547     4.7950     22.9924    (   439)
  AREA             11.   NE LARGE                620.0000    26.9565     4.0281     16.2253    (    23)
  AREA             12.   NE MEDIUM              1086.0000    27.8462     4.8911     23.9231    (    39)
  AREA             13.   NE SMALL               1620.0000    27.9310     4.9448     24.4513    (    58)
  AREA             21.   NCENT LARGE            1842.0000    27.4925     4.1720     17.4052    (    67)
  AREA             22.   NCENT MEDIUM           1893.0000    27.4348     4.9124     24.1317    (    69)
  AREA             24.   NCENT RURAL            1378.0000    27.0196     4.1303     17.0596    (    51)
  AREA             31.   SOUTH LARGE             540.0000    24.5455     4.6160     21.3076    (    22)
  AREA             33.   SOUTH SMALL             914.0000    26.1143     4.9810     24.8101    (    35)
  AREA             34.   SOUTH RURAL             188.0000    26.8571     1.2150      1.4762    (     7)
  AREA             41.   WEST LARGE              327.0000    27.2500     5.9257     35.1136    (    12)
  AREA             42.   WEST MEDIUM             918.0000    27.0000     5.1874     26.9091    (    34)
  AREA             43.   WEST SMALL              551.0000    25.0455     6.3357     40.1407    (    22)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - -
CRITERION VARIABLE   SSKMMA     STAND SC SPR KIND MAT NUMBERS
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE              CODE     VALUE LABEL                  SUM             MEAN         STD DEV        VARIANCE         N

FOR ENTIRE POPULATION                                      105590.0000         22.6880        6.5407        42.7844    (  4654)

ECONSTAT                  -97.                              49431.0000         22.0970        6.2517        39.0832    (  2237)
   AREA                    11.   NE LARGE                   15018.0000         21.8603        6.2341        38.8638    (   687)
   AREA                    12.   NE MEDIUM                   3469.0000         22.2372        6.4529        41.6402    (   156)
   AREA                    13.   NE SMALL                     548.0000         21.9200        5.0160        25.1600    (    25)
   AREA                    21.   NCENT LARGE                 5846.0000         21.9774        5.8380        34.0825    (   266)
   AREA                    22.   NCENT MEDIUM                8500.0000         25.4491        6.2904        39.5695    (   334)
   AREA                    24.   NCENT RURAL                  549.0000         23.8696        5.5375        30.6640    (    23)
   AREA                    31.   SOUTH LARGE                 5374.0000         18.9894        5.2905        27.9892    (   283)
   AREA                    32.   SOUTH MEDIUM                3026.0000         20.0397        4.6374        21.5051    (   151)
   AREA                    33.   SOUTH SMALL                  847.0000         22.8919        6.8548        46.9880    (    37)
   AREA                    34.   SOUTH RURAL                  185.0000         23.1250        6.6641        44.4107    (     8)
   AREA                    41.   WEST LARGE                  1534.0000         21.9143        6.3079        39.7896    (    70)
   AREA                    42.   WEST MEDIUM                 2827.0000         23.3636        7.0166        49.2333    (   121)
   AREA                    43.   WEST SMALL                  1708.0000         22.4737        4.5180        20.4126    (    76)

ECONSTAT                    1.   10K-, BELOW POVERTY        19830.0000         21.6721        6.0826        36.9974    (   915)
   AREA                    11.   NE LARGE                    1960.0000         23.9024        8.1870        67.0274    (    82)
   AREA                    12.   NE MEDIUM                   2053.0000         21.1649        6.1164        37.4100    (    97)
   AREA                    13.   NE SMALL                    1161.0000         20.0172        5.0800        25.8167    (    58)
   AREA                    21.   NCENT LARGE                 4331.0000         21.9848        5.4749        29.9743    (   197)
   AREA                    22.   NCENT MEDIUM                1759.0000         22.2658        6.6172        43.7874    (    79)
   AREA                    24.   NCENT RURAL                 1582.0000         24.3385        5.4293        29.4774    (    65)
   AREA                    31.   SOUTH LARGE                 2499.0000         19.5234        5.6191        31.5742    (   128)
   AREA                    33.   SOUTH SMALL                  687.0000         19.6286        5.6312        31.7109    (    35)
   AREA                    34.   SOUTH RURAL                  183.0000         18.3000        4.6440        21.5667    (    10)
   AREA                    41.   WEST LARGE                   140.0000         20.0000        4.6547        21.6667    (     7)
   AREA                    42.   WEST MEDIUM                 2156.0000         22.6947        6.5201        42.5122    (    95)
   AREA                    43.   WEST SMALL                  1319.0000         21.2742        3.2852        10.7934    (    62)

ECONSTAT                    2.   10K-, ABOVE POVERTY        24981.0000         23.5005        6.5998        43.5572    (  1063)
   AREA                    11.   NE LARGE                    1619.0000         23.1286        7.2690        52.8383    (    70)
   AREA                    12.   NE MEDIUM                   3322.0000         24.4265        6.4021        40.9871    (   136)
   AREA                    13.   NE SMALL                    2560.0000         22.4561        5.8023        33.6662    (   114)
   AREA                    21.   NCENT LARGE                 3126.0000         22.4892        6.1437        37.7444    (   139)
   AREA                    22.   NCENT MEDIUM                3528.0000         25.5652        7.0358        49.5030    (   138)
   AREA                    24.   NCENT RURAL                 2637.0000         26.6364        5.5115        30.3766    (    99)
   AREA                    31.   SOUTH LARGE                 1466.0000         19.8108        5.9281        35.1418    (    74)
   AREA                    33.   SOUTH SMALL                 1615.0000         22.4306        6.4630        41.7698    (    72)
   AREA                    34.   SOUTH RURAL                  412.0000         22.8889        2.3235         5.3987    (    18)
   AREA                    41.   WEST LARGE                   719.0000         23.1935        8.8823        78.8946    (    31)
   AREA                    42.   WEST MEDIUM                 2305.0000         24.0104        7.1222        50.7262    (    96)
   AREA                    43.   WEST SMALL                  1672.0000         22.0000        5.4748        29.9733    (    76)
```

A-4-214 (cont.)

```
   VARIABLE           CODE    VALUE LABEL               SUM          MEAN         STD DEV       VARIANCE        N

ECONSTAT                 4.  10K+, ABOVE POVERTY  11348.0000       25.8497        7.5214        56.5710   (   439)
   AREA                 11.  NE LARGE               583.0000       25.3478        8.6634        75.0553   (    23)
   AREA                 12.  NE MEDIUM              993.0000       25.4615        7.6566        58.6235   (    39)
   AREA                 13.  NE SMALL              1536.0000       26.4828        7.5353        56.7804   (    58)
   AREA                 21.  NCENT LARGE           1744.0000       26.0299        6.8799        47.3324   (    67)
   AREA                 22.  NCENT MEDIUM          1913.0000       27.7246        8.0693        65.1142   (    69)
   AREA                 24.  NCENT RURAL           1409.0000       27.6275        5.7687        33.2786   (    51)
   AREA                 31.  SOUTH LARGE            438.0000       19.9091        4.9657        24.6580   (    22)
   AREA                 33.  SOUTH SMALL            840.0000       24.0000        6.8256        46.5882   (    35)
   AREA                 34.  SOUTH RURAL            159.0000       22.7143        5.2190        27.2381   (     7)
   AREA                 41.  WEST LARGE             301.0000       25.0833        6.8816        47.3561   (    12)
   AREA                 42.  WEST MEDIUM            882.0000       25.9412       10.3921       107.9964   (    34)
   AREA                 43.  WEST SMALL             550.0000       25.0000        5.6400        31.8095   (    22)

  TOTAL CASES =    12996
MISSING CASES =     8342 OR  64.2 PCT.
```

```
- - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS1MR      STAND SC 1ST GR MAT TOTAL READING
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   VARIABLE               CODE    VALUE LABEL                   SUM          MEAN        STD DEV       VARIANCE        N

FOR ENTIRE POPULATION                                     155837.0000      37.1837       10.4335       108.8588   (  4191)

ECONSTAT                  -97.                             98198.0000      36.5456       10.5134       110.5316   (  2687)
   AREA                    11.   NE LARGE                  47938.0000      35.6152       10.1056       102.1239   (  1346)
   AREA                    12.   NE MEDIUM                  6025.0000      37.6563        9.2288        85.1706   (   160)
   AREA                    13.   NE SMALL                   1761.0000      39.1333       12.0219       144.5273   (    45)
   AREA                    21.   NCENT LARGE                5077.0000      39.0538       12.0633       145.5242   (   130)
   AREA                    22.   NCENT MEDIUM               9411.0000      41.8267       11.5156       132.6082   (   225)
   AREA                    24.   NCENT RURAL                3124.0000      40.5714        9.3280        87.0113   (    77)
   AREA                    31.   SOUTH LARGE                4930.0000      29.6988        6.4596        41.7269   (   166)
   AREA                    33.   SOUTH SMALL                4255.0000      45.7527       11.3661       129.1882   (    93)
   AREA                    34.   SOUTH RURAL                2049.0000      36.5893        9.4807        89.8828   (    56)
   AREA                    41.   WEST LARGE                 8464.0000      35.5630        9.7198        94.4749   (   238)
   AREA                    42.   WEST MEDIUM                1906.0000      38.1200       10.5340       110.9649   (    50)
   AREA                    43.   WEST SMALL                 3258.0000      32.2574        7.1521        51.1531   (   101)

ECONSTAT                    1.   10K-, BELOW POVERTY       20347.0000      34.1966        7.9037        62.4688   (   595)
   AREA                    11.   NE LARGE                   2199.0000      34.3594        8.0817        65.3132   (    64)
   AREA                    12.   NE MEDIUM                  2309.0000      34.4627        8.3254        69.3130   (    67)
   AREA                    13.   NE SMALL                   1043.0000      35.9655        7.4233        55.1059   (    29)
   AREA                    21.   NCENT LARGE                2587.0000      33.5974        7.8393        61.4542   (    77)
   AREA                    22.   NCENT MEDIUM               1884.0000      36.2308        8.0698        65.1222   (    52)
   AREA                    24.   NCENT RURAL                1374.0000      37.1351       10.2636       105.3423   (    37)
   AREA                    31.   SOUTH LARGE                1215.0000      31.1538        5.9051        34.8706   (    39)
   AREA                    33.   SOUTH SMALL                 556.0000      34.7500        7.7675        60.3333   (    16)
   AREA                    34.   SOUTH RURAL                1295.0000      34.0789        6.0062        36.0747   (    38)
   AREA                    41.   WEST LARGE                 2962.0000      34.8471        8.7919        77.2978   (    85)
   AREA                    42.   WEST MEDIUM                1346.0000      33.6500        6.3146        39.8744   (    40)
   AREA                    43.   WEST SMALL                 1577.0000      30.9216        6.0921        37.1137   (    51)

ECONSTAT                    2.   10K-, ABOVE POVERTY       25022.0000      39.5292       10.3714       107.5668   (   633)
   AREA                    11.   NE LARGE                   2960.0000      37.4684        8.2101        67.4060   (    79)
   AREA                    12.   NE MEDIUM                  2710.0000      37.1233        9.6680        93.4707   (    73)
   AREA                    13.   NE SMALL                   2360.0000      39.3333        8.5384        72.9040   (    60)
   AREA                    21.   NCENT LARGE                1499.0000      38.4359        9.4334        88.9892   (    39)
   AREA                    22.   NCENT MEDIUM               3499.0000      42.1566       10.1675       103.3774   (    83)
   AREA                    24.   NCENT RURAL                3844.0000      48.0500       10.3250       106.6051   (    80)
   AREA                    31.   SOUTH LARGE                1178.0000      33.6571        9.1906        84.4672   (    35)
   AREA                    33.   SOUTH SMALL                1415.0000      44.2188       12.6357       159.6603   (    32)
   AREA                    34.   SOUTH RURAL                 852.0000      35.5000        5.4216        29.3913   (    24)
   AREA                    41.   WEST LARGE                 1805.0000      36.8367        8.5862        73.7228   (    49)
   AREA                    42.   WEST MEDIUM                1449.0000      40.2500       12.0342       144.8214   (    36)
   AREA                    43.   WEST SMALL                 1451.0000      33.7442        8.4603        71.5759   (    43)

ECONSTAT                    4.   10K+, ABOVE POVERTY       12270.0000      44.4565       10.3854       107.8563   (   276)
   AREA                    11.   NE LARGE                    832.0000      46.2222       11.1754       124.8889   (    18)
```

A-4-215 (cont.)

```
  VARIABLE                CODE     VALUE LABEL                      SUM           MEAN        STD DEV      VARIANCE        N

 AREA                       12.   NE MEDIUM                  1226.0000        45.4074         8.8067       77.5584   (     27)
 AREA                       13.   NE SMALL                   1396.0000        43.6250         9.3248       86.9516   (     32)
 AREA                       21.   NCENT LARGE                1580.0000        46.4706        10.5435      111.1658   (     34)
 AREA                       22.   NCENT MEDIUM               2302.0000        43.4340         9.2164       84.9427   (     53)
 AREA                       24.   NCENT RURAL                2138.0000        49.7209         9.0484       81.8726   (     43)
 AREA                       31.   SOUTH LARGE                 303.0000        33.6667         9.2736       86.0000   (      9)
 AREA                       33.   SOUTH SMALL                 595.0000        45.7692        13.2234      174.8590   (     13)
 AREA                       34.   SOUTH RURAL                 246.0000        41.0000         4.4721       20.0000   (      6)
 AREA                       41.   WEST LARGE                  677.0000        42.3125        13.0982      171.5625   (     16)
 AREA                       42.   WEST MEDIUM                 401.0000        44.5556        11.7166      137.2778   (      9)
 AREA                       43.   WEST SMALL                  574.0000        35.8750         7.5796       57.4500   (     16)

 TOTAL CASES =    12996
MISSING CASES =    8805 OR  67.8 PCT.
```

```
---------------- D E S C R I P T I O N   O F   S U B P O P U L A T I O N S ---------------
CRITERION VARIABLE   SS1MMA     STAND SC 1ST GR MAT TOTAL MATH
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
--------------------------------------------------------------------------------------------

    VARIABLE               CODE    VALUE LABEL                  SUM          MEAN       STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                     153729.0000      36.6807      11.7979      139.1911   ( 4191)

ECONSTAT                   -97.                            98064.0000      36.4957      12.1506      147.6365   ( 2687)
   AREA                     11.   NE LARGE                 49899.0000      37.0721      12.6875      160.9725   ( 1346)
   AREA                     12.   NE MEDIUM                 5816.0000      36.3500      11.4569      131.2604   (  160)
   AREA                     13.   NE SMALL                  1933.0000      42.9556      10.3286      106.6798   (   45)
   AREA                     21.   NCENT LARGE               4688.0000      36.0615      13.3954      179.4380   (  130)
   AREA                     22.   NCENT MEDIUM              8865.0000      39.4000      10.7790      116.1875   (  225)
   AREA                     24.   NCENT RURAL               3245.0000      42.1429      11.8296      139.9398   (   77)
   AREA                     31.   SOUTH LARGE               4587.0000      27.6325       9.0382       81.6884   (  166)
   AREA                     33.   SOUTH SMALL               3846.0000      41.3548      11.3785      129.4705   (   93)
   AREA                     34.   SOUTH RURAL               1866.0000      33.3214       9.3032       86.5494   (   56)
   AREA                     41.   WEST LARGE                8114.0000      34.0924      10.2340      104.7340   (  238)
   AREA                     42.   WEST MEDIUM               1906.0000      38.1200      12.5822      158.3118   (   50)
   AREA                     43.   WEST SMALL                3299.0000      32.6634       8.0278       64.4455   (  101)

ECONSTAT                     1.   10K-, BELOW POVERTY      19428.0000      32.6521       8.9564       80.2171   (  595)
   AREA                     11.   NE LARGE                  2255.0000      35.2344       9.8830       97.6744   (   64)
   AREA                     12.   NE MEDIUM                 2001.0000      29.8657       7.3894       54.6029   (   67)
   AREA                     13.   NE SMALL                   999.0000      34.4483       8.1529       66.4704   (   29)
   AREA                     21.   NCENT LARGE               2359.0000      30.6364       9.0567       82.0239   (   77)
   AREA                     22.   NCENT MEDIUM              1849.0000      35.5577       7.8900       62.2515   (   52)
   AREA                     24.   NCENT RURAL               1453.0000      39.2703      12.1716      148.1471   (   37)
   AREA                     31.   SOUTH LARGE               1130.0000      28.9744       6.0935       37.1309   (   39)
   AREA                     33.   SOUTH SMALL                522.0000      32.6250       5.2899       27.9833   (   16)
   AREA                     34.   SOUTH RURAL               1085.0000      28.5526       8.2025       67.2809   (   38)
   AREA                     41.   WEST LARGE                2858.0000      33.6235       8.9655       80.3804   (   85)
   AREA                     42.   WEST MEDIUM               1322.0000      33.0500       8.1459       66.3564   (   40)
   AREA                     43.   WEST SMALL                1595.0000      31.2745       7.5712       57.3231   (   51)

ECONSTAT                     2.   10K-, ABOVE POVERTY      24415.0000      38.5703      11.2922      127.5144   (  633)
   AREA                     11.   NE LARGE                  2981.0000      37.7342       9.5859       91.8900   (   79)
   AREA                     12.   NE MEDIUM                 2621.0000      35.9041       9.7056       94.1990   (   73)
   AREA                     13.   NE SMALL                  2215.0000      36.9167       9.6116       92.3828   (   60)
   AREA                     21.   NCENT LARGE               1418.0000      36.3590      10.4943      110.1309   (   39)
   AREA                     22.   NCENT MEDIUM              3425.0000      41.2651       9.0542       81.9777   (   83)
   AREA                     24.   NCENT RURAL               3923.0000      49.0375      11.9253      142.2138   (   80)
   AREA                     31.   SOUTH LARGE               1026.0000      29.3143      10.2778      105.6336   (   35)
   AREA                     33.   SOUTH SMALL               1353.0000      42.2813      11.2228      125.9506   (   32)
   AREA                     34.   SOUTH RURAL                761.0000      31.7083       5.9379       35.2591   (   24)
   AREA                     41.   WEST LARGE                1733.0000      35.3673      10.9329      119.5289   (   49)
   AREA                     42.   WEST MEDIUM               1516.0000      42.1111      11.7127      137.1873   (   36)
   AREA                     43.   WEST SMALL                1443.0000      33.5581       8.8649       78.5858   (   43)

ECONSTAT                     4.   10K+, ABOVE POVERTY      11822.0000      42.8333      11.4359      130.7794   (  276)
   AREA                     11.   NE LARGE                   783.0000      43.5000       9.1024       82.8529   (   18)
```

A-4-216 (cont.)

```
  VARIABLE              CODE   VALUE LABEL                SUM          MEAN       STD DEV       VARIANCE        N

 AREA                    12.  NE MEDIUM              1129.0000       41.8148      12.3352       152.1567   (     27)
 AREA                    13.  NE SMALL               1410.0000       44.0625      11.0452       121.9960   (     32)
 AREA                    21.  NCENT LARGE            1533.0000       45.0882      12.6020       158.8102   (     34)
 AREA                    22.  NCENT MEDIUM           2147.0000       40.5094       9.4962        90.1778   (     53)
 AREA                    24.  NCENT RURAL            2233.0000       51.9302       9.3437        87.3045   (     43)
 AREA                    31.  SOUTH LARGE             264.0000       29.3333       9.3005        86.5000   (      9)
 AREA                    33.  SOUTH SMALL             523.0000       40.2308       8.2377        67.8590   (     13)
 AREA                    34.  SOUTH RURAL             228.0000       38.0000       7.1274        50.8000   (      6)
 AREA                    41.  WEST LARGE              611.0000       38.1875      10.5022       110.2958   (     16)
 AREA                    42.  WEST MEDIUM             410.0000       45.5556       7.4349        55.2778   (      9)
 AREA                    43.  WEST SMALL              551.0000       34.4375      11.1174       123.5958   (     16)

  TOTAL CASES =    12996
MISSING CASES =     8805 OR  67.8 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS2MR      STAND SC 2ND GR MAT TOTAL READING
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                  SUM           MEAN        STD DEV      VARIANCE       N

FOR ENTIRE POPULATION                                      145960.0000        48.7346       14.9501     223.5050   (  2995)

ECONSTAT                   -97.                             65562.0000        48.1366       13.9462     194.4971   (  1362)
   AREA                     11.   NE LARGE                  35615.0000        46.3737       14.3485     205.8797   (   768)
   AREA                     12.   NE MEDIUM                  1476.0000        56.7692       13.2372     175.2246   (    26)
   AREA                     13.   NE SMALL                   3599.0000        54.5303       12.9380     167.3914   (    66)
   AREA                     21.   NCENT LARGE                4215.0000        46.8333       12.0348     144.8371   (    90)
   AREA                     22.   NCENT MEDIUM               4583.0000        54.5595       11.6406     135.5024   (    84)
   AREA                     24.   NCENT RURAL                3500.0000        50.0000        9.5447      91.1014   (    70)
   AREA                     31.   SOUTH LARGE                3909.0000        39.8878        9.4889      90.0388   (    98)
   AREA                     33.   SOUTH SMALL                4322.0000        59.2055       13.3499     178.2211   (    73)
   AREA                     41.   WEST LARGE                   45.0000        45.0000             0            0   (     1)
   AREA                     42.   WEST MEDIUM                2342.0000        55.7619       10.5410     111.1127   (    42)
   AREA                     43.   WEST SMALL                 1956.0000        44.4545       11.2590     126.7653   (    44)

ECONSTAT                     1.   10K-, BELOW POVERTY       24508.0000        43.2240       15.8627     251.6264   (   567)
   AREA                     11.   NE LARGE                   4926.0000        43.5929       17.0983     292.3507   (   113)
   AREA                     12.   NE MEDIUM                  3100.0000        44.2857       13.9192     193.7433   (    70)
   AREA                     13.   NE SMALL                   1600.0000        44.4444       15.0417     226.2540   (    36)
   AREA                     21.   NCENT LARGE                2674.0000        44.5667       15.4353     238.2497   (    60)
   AREA                     22.   NCENT MEDIUM               2111.0000        45.8913       15.1088     228.2768   (    46)
   AREA                     24.   NCENT RURAL                2041.0000        49.7805        8.9875      80.7756   (    41)
   AREA                     31.   SOUTH LARGE                2082.0000        33.5806       17.9777     323.1983   (    62)
   AREA                     33.   SOUTH SMALL                1010.0000        42.0833       19.3366     373.9058   (    24)
   AREA                     34.   SOUTH RURAL                 820.0000        39.0476       15.2986     234.0476   (    21)
   AREA                     41.   WEST LARGE                  195.0000        48.7500        2.9861       8.9167   (     4)
   AREA                     42.   WEST MEDIUM                2142.0000        44.6250       15.6852     246.0266   (    48)
   AREA                     43.   WEST SMALL                 1807.0000        43.0238       13.5403     183.3409   (    42)

ECONSTAT                     2.   10K-, ABOVE POVERTY       37585.0000        50.5855       14.5400     211.4128   (   743)
   AREA                     11.   NE LARGE                   5183.0000        48.4393       11.9038     141.7015   (   107)
   AREA                     12.   NE MEDIUM                  4879.0000        51.3579       12.7579     162.7642   (    95)
   AREA                     13.   NE SMALL                   4093.0000        51.1625       13.2172     174.6948   (    80)
   AREA                     21.   NCENT LARGE                2684.0000        46.2759       20.3632     414.6594   (    58)
   AREA                     22.   NCENT MEDIUM               5647.0000        52.7757       11.1814     125.0247   (   107)
   AREA                     24.   NCENT RURAL                4511.0000        58.5844       10.3152     106.4040   (    77)
   AREA                     31.   SOUTH LARGE                1499.0000        38.4359       18.6770     348.8313   (    39)
   AREA                     33.   SOUTH SMALL                3234.0000        58.8000       11.1926     125.2741   (    55)
   AREA                     34.   SOUTH RURAL                 650.0000        50.0000        5.5076      30.3333   (    13)
   AREA                     41.   WEST LARGE                  897.0000        49.8333       15.1745     230.2647   (    18)
   AREA                     42.   WEST MEDIUM                2276.0000        49.4783       17.1214     293.1440   (    46)
   AREA                     43.   WEST SMALL                 2032.0000        42.3333       14.8615     220.8652   (    48)

ECONSTAT                     4.   10K+, ABOVE POVERTY       18305.0000        56.6718       14.1614     200.5441   (   323)
   AREA                     11.   NE LARGE                   1197.0000        52.0435       13.5596     183.8617   (    23)
```

A-4-217 (cont.)

```
VARIABLE              CODE    VALUE LABEL                     SUM          MEAN       STD DEV      VARIANCE        N

  AREA                   12.  NE MEDIUM                 1634.0000       58.3571       12.3774      153.2011   (     28)
  AREA                   13.  NE SMALL                  2841.0000       59.1875       14.4865      209.8577   (     48)
  AREA                   21.  NCENT LARGE               2275.0000       58.3333       12.2568      150.2281   (     39)
  AREA                   22.  NCENT MEDIUM              2850.0000       55.8824       11.9007      141.6259   (     51)
  AREA                   24.  NCENT RURAL               2739.0000       60.8667       12.6628      160.3455   (     45)
  AREA                   31.  SOUTH LARGE                288.0000       32.0000       23.4574      550.2500   (      9)
  AREA                   33.  SOUTH SMALL               1786.0000       59.5333       14.7151      216.5333   (     30)
  AREA                   34.  SOUTH RURAL                199.0000       49.7500        3.5000       12.2500   (      4)
  AREA                   41.  WEST LARGE                 717.0000       59.7500       12.5779      158.2045   (     12)
  AREA                   42.  WEST MEDIUM                984.0000       54.6667       17.2354      297.0588   (     18)
  AREA                   43.  WEST SMALL                 795.0000       49.6875        5.7005       32.4958   (     16)

 TOTAL CASES =    12996
MISSING CASES =   10001 OR  77.0 PCT.
```

```
- - - - - - - - - - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS2MMA      STAND SC MAT TOTAL MATH
    BROKEN DOWN BY    ECONSTAT    INCOME AND POVERTY LEVEL
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM           MEAN        STD DEV       VARIANCE       N

FOR ENTIRE POPULATION                                        153133.0000       51.1295       11.2374       126.2791   ( 2995)

ECONSTAT                    -97.                              68046.0000       49.9604       11.0284       121.6266   ( 1362)
   AREA                      11.   NE LARGE                   37355.0000       48.6393       10.3761       107.6424   (  768)
   AREA                      12.   NE MEDIUM                   1343.0000       51.6538       12.7497       162.5554   (   26)
   AREA                      13.   NE SMALL                    3682.0000       55.7879       12.1459       147.5235   (   66)
   AREA                      21.   NCENT LARGE                 4486.0000       49.8444       11.4420       130.9194   (   90)
   AREA                      22.   NCENT MEDIUM                4495.0000       53.5119       10.7193       114.9035   (   84)
   AREA                      24.   NCENT RURAL                 3757.0000       53.6714       10.5949       112.2528   (   70)
   AREA                      31.   SOUTH LARGE                 4124.0000       42.0816        8.2295        67.7252   (   98)
   AREA                      33.   SOUTH SMALL                 4314.0000       59.0959       10.1724       103.4768   (   73)
   AREA                      41.   WEST LARGE                    36.0000       36.0000        0              0        (    1)
   AREA                      42.   WEST MEDIUM                 2360.0000       56.1905        8.4283        71.0360   (   42)
   AREA                      43.   WEST SMALL                  2094.0000       47.5909        9.0331        81.5962   (   44)

ECONSTAT                      1.   10K-, BELOW POVERTY        26993.0000       47.6067       10.0716       101.4369   (  567)
   AREA                      11.   NE LARGE                    5412.0000       47.8938       11.0319       121.7029   (  113)
   AREA                      12.   NE MEDIUM                   3242.0000       46.3143        9.9906        99.812[illegible]   (   70)
   AREA                      13.   NE SMALL                    1654.0000       45.9444        8.6815        75.368[illegible]   (   36)
   AREA                      21.   NCENT LARGE                 2833.0000       47.2167       10.1047       102.1048   (   60)
   AREA                      22.   NCENT MEDIUM                2316.0000       50.3478        9.7393        94.8541   (   46)
   AREA                      24.   NCENT RURAL                 2172.0000       52.9756       11.5315       132.9744   (   41)
   AREA                      31.   SOUTH LARGE                 2669.0000       43.0484        8.1289        66.0796   (   62)
   AREA                      33.   SOUTH SMALL                 1240.0000       51.6667        9.6983        94.0580   (   24)
   AREA                      34.   SOUTH RURAL                  855.0000       40.7143        8.0196        64.3143   (   21)
   AREA                      41.   WEST LARGE                   184.0000       46.0000        7.2572        52.6667   (    4)
   AREA                      42.   WEST MEDIUM                 2338.0000       48.7083        9.4485        89.2748   (   48)
   AREA                      43.   WEST SMALL                  2078.0000       49.4762        7.2456        52.4994   (   42)

ECONSTAT                      2.   10K-, ABOVE POVERTY        39346.0000       52.9556       10.7607       115.7918   (  743)
   AREA                      11.   NE LARGE                    5429.0000       50.7383       10.1594       103.2139   (  107)
   AREA                      12.   NE MEDIUM                   4949.0000       52.0947       11.7266       137.5122   (   95)
   AREA                      13.   NE SMALL                    4254.0000       53.1750       10.1903       103.8434   (   80)
   AREA                      21.   NCENT LARGE                 2894.0000       49.8966       11.8436       140.2698   (   58)
   AREA                      22.   NCENT MEDIUM                5860.0000       54.7664        9.2742        86.0109   (  107)
   AREA                      24.   NCENT RURAL                 4510.0000       58.5714        9.3604        87.6165   (   77)
   AREA                      31.   SOUTH LARGE                 1716.0000       44.0000        9.0670        82.2105   (   39)
   AREA                      33.   SOUTH SMALL                 3214.0000       58.4364       10.3562       107.2505   (   55)
   AREA                      34.   SOUTH RURAL                  662.0000       50.9231        7.7294        59.7436   (   13)
   AREA                      41.   WEST LARGE                   905.0000       50.2778       11.5239       132.8007   (   18)
   AREA                      42.   WEST MEDIUM                 2571.0000       55.8913       10.3542       107.2101   (   46)
   AREA                      43.   WEST SMALL                  2382.0000       49.6250        8.6875        75.4734   (   48)

ECONSTAT                      4.   10K+, ABOVE POVERTY        18748.0000       58.0433       11.4750       131.6751   (  323)
   AREA                      11.   NE LARGE                    1244.0000       54.0870       12.2471       149.9921   (   23)
```

A-4-218 (cont.)

```
VARIABLE            CODE   VALUE LABEL             SUM          MEAN      STD DEV      VARIANCE       N
AREA                 12.  NE MEDIUM          1623.0000       57.9643      11.1604      124.5542   (  28)
AREA                 13.  NE SMALL           2883.0000       60.0625      13.2222      174.8258   (  48)
AREA                 21.  NCENT LARGE        2295.0000       58.8462      10.0853      101.7126   (  39)
AREA                 22.  NCENT MEDIUM       2878.0000       56.4314      11.2876      127.4102   (  51)
AREA                 24.  NCENT RURAL        2892.0000       64.2667      10.5967      112.2909   (  45)
AREA                 31.  SOUTH LARGE         389.0000       43.2222       8.1972       67.1944   (   9)
AREA                 33.  SOUTH SMALL        1791.0000       59.7000       9.4217       88.7690   (  30)
AREA                 34.  SOUTH RURAL         208.0000       52.0000       7.7460       60.0000   (   4)
AREA                 41.  WEST LARGE          651.0000       54.2500      11.9554      142.9318   (  12)
AREA                 42.  WEST MEDIUM        1053.0000       58.5000       9.1024       82.8529   (  18)
AREA                 43.  WEST SMALL          841.0000       52.5625       7.0802       50.1292   (  16)
  TOTAL CASES =     12996
MISSING CASES =     10001 OR  77.0 PCT.
```

A-4-219

```
- - - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - - - -
CRITERION VARIABLE   SS3HR
    BROKEN DOWN BY   ECONSTAT   INCOME AND POVERTY LEVEL
                BY   AREA       REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

     VARIABLE              CODE     VALUE LABEL                    SUM             MEAN          STD DEV         VARIANCE         N

FOR ENTIRE POPULATION                                       226369.0000          57.4395          13.2861         176.5195     ( 3941)

ECONSTAT                   -97.                             108076.0000          55.9400          13.0847         171.2103     ( 1932)
   AREA                     11.   NE LARGE                   37252.0000          54.1453          11.4914         132.0516     (  688)
   AREA                     12.   NE MEDIUM                   9470.0000          58.0982          11.0483         122.0644     (  163)
   AREA                     13.   NE SMALL                     367.0000          61.1667          12.9525         167.7667     (    6)
   AREA                     21.   NCENT LARGE                 4277.0000          54.8333          13.6443         186.1667     (   78)
   AREA                     22.   NCENT MEDIUM                8645.0000          61.3121          14.8021         219.1019     (  141)
   AREA                     24.   NCENT RURAL                 5982.0000          60.4242          13.2118         174.5529     (   99)
   AREA                     31.   SOUTH LARGE                13107.0000          46.9785          10.9199         119.2441     (  279)
   AREA                     33.   SOUTH SMALL                 6405.0000          66.7188          12.3345         152.1411     (   96)
   AREA                     34.   SOUTH RURAL                 1428.0000          54.9231           9.3463          87.3538     (   26)
   AREA                     41.   WEST LARGE                  4286.0000          58.7123          10.8621         117.9855     (   73)
   AREA                     42.   WEST MEDIUM                 7305.0000          60.3719          13.5198         182.7955     (  121)
   AREA                     43.   WEST SMALL                  3581.0000          51.8986          11.5773         134.0337     (   69)
   AREA                     44.   WEST RURAL                  5971.0000          64.2043          12.5677         157.9469     (   93)

ECONSTAT                     1.   10K-, BELOW POVERTY        37338.0000          52.4410          11.4191         130.3960     (  712)
   AREA                     11.   NE LARGE                    3737.0000          54.1594          11.4270         130.5772     (   69)
   AREA                     12.   NE MEDIUM                   3309.0000          52.5238          11.8415         140.2212     (   63)
   AREA                     13.   NE SMALL                    1374.0000          52.8462          12.4730         155.5754     (   26)
   AREA                     21.   NCENT LARGE                 5965.0000          50.9829          10.9921         120.8273     (  117)
   AREA                     22.   NCENT MEDIUM                2949.0000          55.6415           8.4514          71.4267     (   53)
   AREA                     24.   NCENT RURAL                 2756.0000          59.9130          11.5081         132.4367     (   46)
   AREA                     31.   SOUTH LARGE                 4181.0000          46.4556          11.6186         134.9924     (   90)
   AREA                     33.   SOUTH SMALL                 1406.0000          54.0769          11.0487         122.0738     (   26)
   AREA                     34.   SOUTH RURAL                 2950.0000          50.8621           9.1928          84.5070     (   58)
   AREA                     41.   WEST LARGE                  2846.0000          50.8214          11.7367         137.7494     (   56)
   AREA                     42.   WEST MEDIUM                 3139.0000          55.0702           8.5646          73.3521     (   57)
   AREA                     43.   WEST SMALL                  2491.0000          51.8958          11.6313         135.2868     (   48)
   AREA                     44.   WEST RURAL                   235.0000          78.3333           5.5076          30.3333     (    3)

ECONSTAT                     2.   10K-, ABOVE POVERTY        54700.0000          60.7103          12.5342         157.1060     (  901)
   AREA                     11.   NE LARGE                    3383.0000          55.4590           9.5264          90.7525     (   61)
   AREA                     12.   NE MEDIUM                   5228.0000          61.5059          12.5410         157.2768     (   85)
   AREA                     13.   NE SMALL                    4978.0000          59.9759          11.8363         140.0970     (   83)
   AREA                     21.   NCENT LARGE                 3882.0000          57.0882          13.2223         174.8279     (   68)
   AREA                     22.   NCENT MEDIUM                7573.0000          61.5691          11.5227         132.7718     (  123)
   AREA                     24.   NCENT RURAL                 9162.0000          68.8872          11.4605         131.3432     (  133)
   AREA                     31.   SOUTH LARGE                 2838.0000          50.6786          10.0002         100.0039     (   56)
   AREA                     33.   SOUTH SMALL                 3367.0000          66.0196          10.6423         113.2596     (   51)
   AREA                     34.   SOUTH RURAL                 2337.0000          55.6429           7.9321          62.9181     (   42)
   AREA                     41.   WEST LARGE                  2156.0000          56.7368          12.0443         145.0640     (   38)
   AREA                     42.   WEST MEDIUM                 5191.0000          63.3049          12.4808         155.7761     (   82)
```

A-4-219 (cont.)

```
  VARIABLE            CODE   VALUE LABEL                SUM          MEAN       STD DEV      VARIANCE      N

   AREA                 43.  WEST SMALL            2783.0000      52.5094       9.5285      90.7932    (    53)
   AREA                 44.  WEST RURAL            1822.0000      70.0769      10.4840     109.9138    (    26)

ECONSTAT                 4.  10K+, ABOVE POVERTY  26255.0000      66.3005      13.1117     171.9171    (   396)
   AREA                 11.  NE LARGE              1021.0000      63.8125      14.0058     196.1625    (    16)
   AREA                 12.  NE MEDIUM             2104.0000      65.7500      12.0643     145.5484    (    32)
   AREA                 13.  NE SMALL              3094.0000      70.3182      14.5694     212.2685    (    44)
   AREA                 21.  NCENT LARGE           2941.0000      65.3556      13.6418     186.0980    (    45)
   AREA                 22.  NCENT MEDIUM          3870.0000      64.5000      14.1091     199.0678    (    60)
   AREA                 24.  NCENT RURAL           4556.0000      70.0923      10.9797     120.5538    (    65)
   AREA                 31.  SOUTH LARGE            580.0000      52.7273      14.4989     210.2182    (    11)
   AREA                 33.  SOUTH SMALL           1939.0000      69.2500       7.6769      58.9352    (    28)
   AREA                 34.  SOUTH RURAL            440.0000      55.0000       6.3920      40.8571    (     8)
   AREA                 41.  WEST LARGE             812.0000      62.4615      10.3972     108.1026    (    13)
   AREA                 42.  WEST MEDIUM           2186.0000      64.2941      13.2334     175.1230    (    34)
   AREA                 43.  WEST SMALL            1111.0000      58.4737       9.3652      87.7076    (    19)
   AREA                 44.  WEST RURAL            1601.0000      76.2381      10.4781     109.7905    (    21)

  TOTAL CASES =    12996
MISSING CASES =     9055 OR  69.7 PCT.
```

```
- - - - - - - - - - - - - - - -  D E S C R I P T I O N   O F   S U B P O P U L A T I O N S  - - - - - - - - - - - - - - -
CRITERION VARIABLE    SS3MMAR     STAND SC 3RD GR MAT TOTAL MATH
    BROKEN DOWN BY    ECONSTAT    INCOME AND POVERTY LEVEL
                BY    AREA        REGION AND CITYSIZE INDICATOR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    VARIABLE               CODE    VALUE LABEL                   SUM             MEAN          STD DEV        VARIANCE           N

FOR ENTIRE POPULATION                                    249263.0000          63.2487          12.9306        167.2006    (  3941)

ECONSTAT                   -97.                          120236.0000          62.2340          12.7117        161.5869    (  1932)
    AREA                    11.   NE LARGE                41378.0000          60.1424          11.8895        141.3596    (   688)
    AREA                    12.   NE MEDIUM               10528.0000          64.5890          11.8200        139.7127    (   163)
    AREA                    13.   NE SMALL                  429.0000          71.5000          12.4700        155.5000    (     6)
    AREA                    21.   NCENT LARGE              4763.0000          61.0641          12.3186        151.7491    (    78)
    AREA                    22.   NCENT MEDIUM             9578.0000          67.9291          12.1489        147.5949    (   141)
    AREA                    24.   NCENT RURAL              6698.0000          67.6566           9.5374         90.9625    (    99)
    AREA                    31.   SOUTH LARGE             15087.0000          54.0753           9.8030         96.0986    (   279)
    AREA                    33.   SOUTH SMALL              7062.0000          73.5625          11.4357        130.7750    (    96)
    AREA                    34.   SOUTH RURAL              1634.0000          62.8462          11.5955        134.4554    (    26)
    AREA                    41.   WEST LARGE               4696.0000          64.3288          12.7765        163.0849    (    73)
    AREA                    42.   WEST MEDIUM              7800.0000          64.4628          13.4858        181.8674    (   121)
    AREA                    43.   WEST SMALL               4054.0000          58.7536          11.2713        127.0413    (    69)
    AREA                    44.   WEST RURAL               6529.0000          70.2043          12.7455        162.4469    (    93)

ECONSTAT                     1.   10K-, BELOW POVERTY     41913.0000          58.8666          11.4423        130.9259    (   712)
    AREA                    11.   NE LARGE                 4150.0000          60.1449          11.8598        140.6552    (    69)
    AREA                    12.   NE MEDIUM                3730.0000          59.2063          12.7560        162.7148    (    63)
    AREA                    13.   NE SMALL                 1442.0000          55.4615          10.3893        107.9385    (    26)
    AREA                    21.   NCENT LARGE              6823.0000          58.3162          10.0932        101.8733    (   117)
    AREA                    22.   NCENT MEDIUM             3384.0000          63.8491          10.8918        118.6306    (    53)
    AREA                    24.   NCENT RURAL              3127.0000          67.9783          11.3245        128.2440    (    46)
    AREA                    31.   SOUTH LARGE              4807.0000          53.4111          10.3380        106.8740    (    90)
    AREA                    33.   SOUTH SMALL              1616.0000          62.1538           8.5823         73.6554    (    26)
    AREA                    34.   SOUTH RURAL              3352.0000          57.7931          10.5178        110.6231    (    58)
    AREA                    41.   WEST LARGE               3194.0000          57.0357           9.3010         86.5078    (    56)
    AREA                    42.   WEST MEDIUM              3251.0000          57.0351          12.5811        158.2845    (    57)
    AREA                    43.   WEST SMALL               2798.0000          58.2917          10.5789        111.9131    (    48)
    AREA                    44.   WEST RURAL                239.0000          79.6667           8.0208         64.3333    (     3)

ECONSTAT                     2.   10K-, ABOVE POVERTY     59282.0000          65.7958          12.6220        159.3138    (   901)
    AREA                    11.   NE LARGE                 3754.0000          61.5410          10.9705        120.3525    (    61)
    AREA                    12.   NE MEDIUM                5802.0000          68.2588          13.3926        179.3608    (    85)
    AREA                    13.   NE SMALL                 5327.0000          64.1807          12.4412        154.7840    (    83)
    AREA                    21.   NCENT LARGE              4015.0000          59.0441          12.0117        144.2816    (    68)
    AREA                    22.   NCENT MEDIUM             8347.0000          67.8618          11.0893        122.9725    (   123)
    AREA                    24.   NCENT RURAL              9774.0000          73.4887           9.9815         99.6306    (   133)
    AREA                    31.   SOUTH LARGE              3067.0000          54.7679           9.8553         97.1269    (    56)
    AREA                    33.   SOUTH SMALL              3732.0000          73.1765          11.5719        133.9082    (    51)
    AREA                    34.   SOUTH RURAL              2535.0000          60.3571          10.7722        116.0401    (    42)
    AREA                    41.   WEST LARGE               2361.0000          62.1316          11.9620        143.0903    (    38)
    AREA                    42.   WEST MEDIUM              5502.0000          67.0976          11.7017        136.9286    (    82)
```